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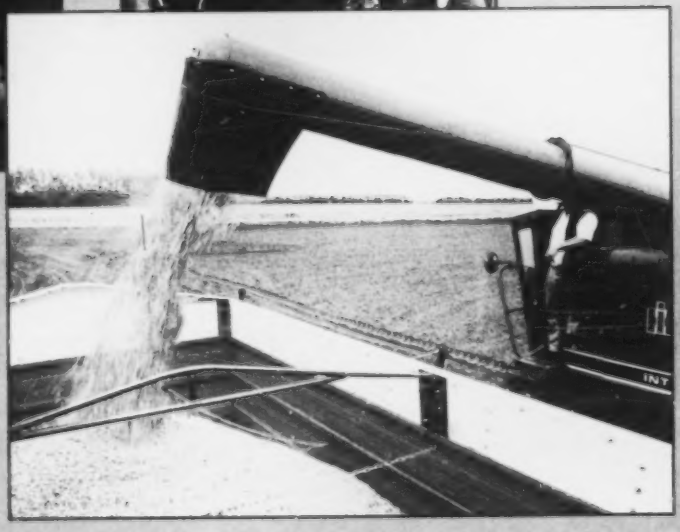
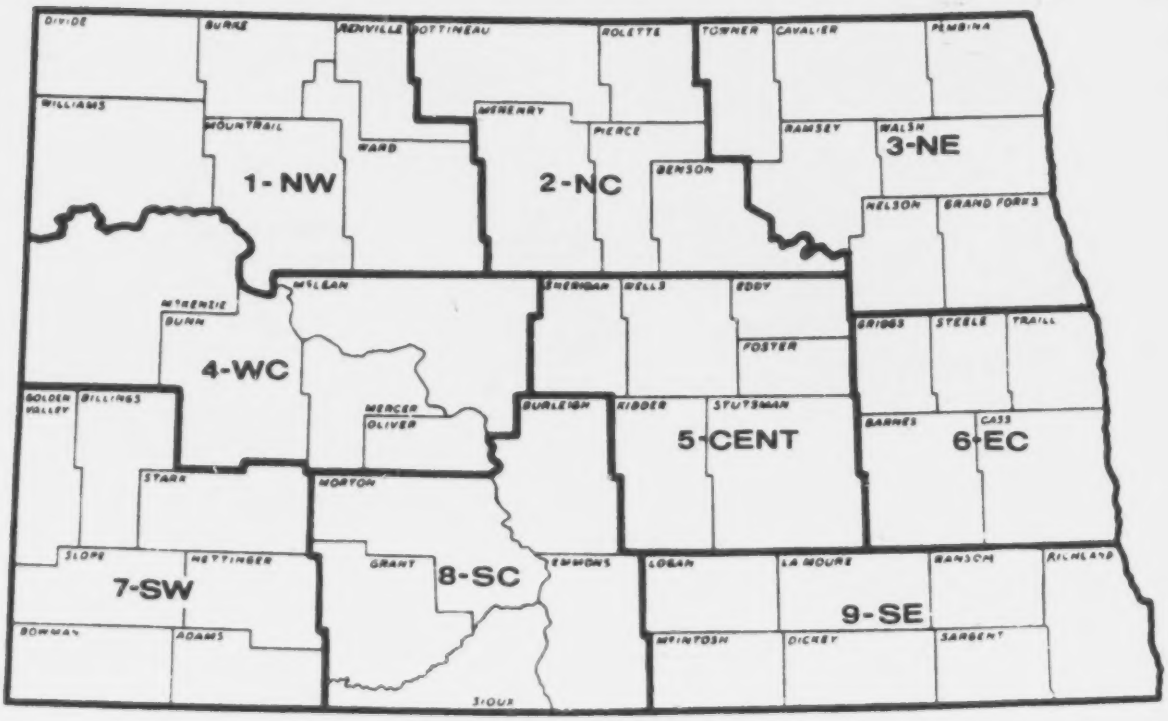
NORTH DAKOTA AGRICULTURAL STATISTICS 1991

North Dakota's Dry Bean Industry



Ag Statistics No. 60
June 1991

NORTH DAKOTA
AGRICULTURAL STATISTICS DISTRICTS



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NORTH DAKOTA AGRICULTURAL STATISTICS

1991

Issued cooperatively by

NORTH DAKOTA STATE UNIVERSITY

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Rye	30, 34	69
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Sugarbeets	30, 76	75
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COMMENTS FROM THE STATE STATISTICIAN

It is a pleasure to present the 34th annual summary entitled "North Dakota Agricultural Statistics, 1991". This annual summary includes information on crop production, livestock numbers, farm income, prices, land values, rents and weather. It also contains county estimates for major crop and livestock items and a special section highlighting farm safety. This 1991 edition also includes any revisions made to last year's estimates. The inside of the back cover provides a good reference table showing where to find our most current historic estimates.

This report is made possible through the cooperative efforts and funding of the National Agricultural Statistics Service of the United States Department of Agriculture and the North Dakota State University Agricultural Experiment Station and Extension Service. Other contributors include the National Weather Service, North Dakota Wheat Commission, American Malting Barley Association, Inc., North Dakota Public Service Commission and North Dakota State Land Department.

I wish to express my sincere thanks to the many North Dakota farmers, ranchers and agribusiness people who voluntarily provide the basic data from which the official estimates are established. My gratitude is also extended to the County Extension Agents and their staff, as well as other University staff, State and Federal agencies.

Finally, a special thanks to the field and telephone enumerators who are a vital link in our data gathering process, and to all members of my office staff for their excellent work and continued dedication in preparing this publication.

Steven D. Wiyatt

Steven D. Wiyatt
State Statistician

The visionaries among us contend that the future belongs to information management and database use and interpretation. We in North Dakota are fortunate to have an extensive database on production agriculture due to a continuing involvement with the North Dakota Agricultural Statistics Service.

Also, we look forward to the future and a closer involvement with the data collectors and the data users as we build and complete the Industrial Agriculture and Communications Center on the campus of North Dakota State University. The scientists at the North Dakota Agricultural Experiment Station will be placed in closer contact with the database managers as we look forward to being able to respond to the data users promptly and efficiently in "Next Century Agriculture".

H. Roald Lund
Dean and Director
N.D. Agricultural Experiment Station

COMMENTS FROM STATE COOPERATORS

I am pleased to bring you this 1991 issue of NORTH DAKOTA AGRICULTURAL STATISTICS. This wealth of information is available to farmers, ranchers, agribusinesses and policymakers because of the close partnership of Federal and State agencies, and it is an important contribution to the State's progress in economic information.

As agriculture in North Dakota becomes more complex and economic success requires increasingly intensive management, the need for accurate data becomes more imperative as well. I trust the wide range of information included in this bulletin will suit the information needs of your operation.

The motto of the North Dakota State University Extension Service is "Helping You Put Knowledge to Work". I hope this NORTH DAKOTA AGRICULTURAL STATISTICS contributes to the quality of life for your family and community. Please use it to your best advantage.

William H. Pietsch, Director
NDSU Extension Service

FARM SAFETY: Think It, Practice It

This 1991 edition of North Dakota Agricultural Statistics is dedicated to the safety of the North Dakota Farmers and Ranchers

There is a much higher price to the production of our food and fiber that we do not usually see. It is not passed on to the consumer as a higher price at the grocer's checkout. This price is the cost of injury and health for those who labor to produce our food and fiber. Farmers and farm workers cannot add the cost of their occupational injuries and illnesses to the materials they produce. So, food and fiber remains cheap - but at a price.

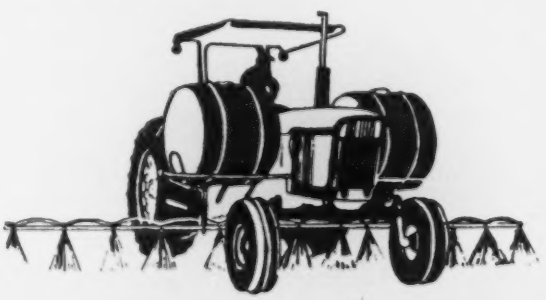
Occupational injury and illness in agriculture should be of considerable concern. The National Safety Council has repeatedly shown that agriculture is among the nation's most hazardous occupations. The statistics show a clear trend when our country's most dangerous industries, agriculture and mining are compared. The fatalities in the mining industry have dropped in recent years while they have stayed consistently high in agriculture.

REPORTED AGRICULTURAL INJURIES BY CAUSE AND BY AGE GROUP, NORTH DAKOTA, 1985-89

	NUMBER	PERCENT OF TOTAL
BY CAUSE		
Agricultural Machinery	282	25.0
Animal Related	148	13.1
Falls	127	11.3
Motor Vehicle Related	114	10.1
Cuts	92	8.2
Falling Objects/ Struck by Object	61	5.4
Foreign Body in Eye	48	4.3
All Terrain Vehicle	37	3.3
Fire/Burns	33	2.9
Caught in Between Objects	33	2.9
Other Machinery	14	1.2
Miscellaneous or Not Specified	139	12.3
TOTAL	1,128	100.0
BY AGE GROUP		
10-19 years	57	5.1
20-29 years	331	29.3
30-39 years	237	21.0
40-49 years	175	15.5
50-59 years	156	13.8
60-69 years	115	10.2
70+ years	57	5.1
TOTAL	1,128	100.0

The challenge of reducing farm injuries and fatalities can be met by

- ✓ Installing roll over protective structures on all farm tractors.
- ✓ Operating front end loaders according to the instruction manual. Not overloading and adding rear wheel weights.
- ✓ Never leaving the tractor seat to make adjustments on or unplug PTO driven machinery without shutting off the engine.
- ✓ Always starting the tractor while in the tractor seat. Bypass starting is a dangerous practice.
- ✓ Always having wire mesh shields in place on grain augers.
- ✓ Selecting a safe speed for each job. Slowing down when turning and cutting speed when working on slopes, near ditches or on rough, uneven ground.
- ✓ Protecting all farm machinery being moved on the roadway at speeds less than 25 miles per hour with a slow moving machinery sign.
- ✓ Having farm machinery being moved after dark safely lighted.



Farmers, ranchers and workers who think and practice safety everyday have fewer injuries. Always keep the questions "can I get hurt from doing this?" on your mind. When the answer is "yes" or "maybe" then stop what you are doing and change something so the answer is "no". Safety is possible, only if you try.

INTRODUCTORY

RANK AMONG STATES
RANK OF COUNTIES
FARM INCOME
REAL ESTATE
WEATHER

Summary of

NORTH DAKOTA'S RANK IN AGRICULTURE

NORTH DAKOTA'S 1990 CROP RANK AMONG STATES

NORTH DAKOTA RANKS...		NORTH DAKOTA PRODUCES...
1ST IN	BARLEY	31%
	DURUM WHEAT	85%
	FLAXSEED	82%
	OTHER SPRING WHEAT	48%
	SUNFLOWER	68%
2ND IN	ALL WHEAT	14%
	NAVY BEANS	27%
	PINTO BEANS	21%
3RD IN	AREA PLANTED - PRINCIPAL CROPS	7%
	TOTAL CROPLAND - 1987 CENSUS	6%
4TH IN	HONEY	9%
	RYE	8%

June 1991

North Dakota Agricultural Statistics Service

THE 10 LEADING STATES AND NORTH DAKOTA'S RANK

Item	1	2	3	4	5	6	7	8	9	10	North Dakota's Rank	Percent of Nation
CROP PRODUCTION - 1990												
Corn for Grain	IA	IL	NE	MN	IN	OH	WI	MI	SD	MO	21	*
Corn for Silage	WI	NY	PA	MN	CA	IA	NE	MI	OH	CO	19	2
Winter Wheat	KS	OK	WA	TX	IL	MT	NE	CO	OH	MO	35	*
Durum Wheat	ND	CA	MT	AZ	SD	MN	--	--	--	--	1	85
Other Spring Wheat	ND	MN	SD	MT	ID	WA	OR	CO	UT	NV	1	48
All Wheat	KS	ND	OK	WA	MT	MN	TX	SD	ID	IL	2	14
Oats	SD	MN	WI	IA	ND	OH	PA	NE	MI	IL	5	9
Barley	ND	MT	ID	MN	SD	WA	CO	CA	WY	OR	1	31
Rye	SD	GA	MN	ND	NE	SC	MI	PA	WI	NC	4	8
Flaxseed	ND	SD	MN	--	--	--	--	--	--	--	1	82
Potatoes	ID	WA	CO	WI	OR	ME	CA	ND	MN	MI	8	4
Sugarbeets	MN	ID	CA	MI	ND	NE	WY	MT	TX	CO	5	10
Soybeans	IL	IA	MN	IN	OH	MO	AR	NE	SD	KS	21	1
Beans, Navy	MI	ND	MN	ID	NE	NM	OR	KS	--	--	2	27
Beans, Pinto	CO	ND	NE	ID	WY	KS	MN	WA	MT	TX	2	21
Beans, All Dry Edible	MI	ND	NE	CO	ID	CA	MN	WY	WA	NY	2	15
Sunflower, Oil	ND	SD	MN	KS	TX	--	--	--	--	--	1	66
Sunflower, Non-oil	ND	MN	KS	SD	TX	--	--	--	--	--	1	76
Sunflower, All	ND	SD	MN	KS	TX	--	--	--	--	--	1	68
Alfalfa Hay & Mixtures	WI	CA	IA	MN	MI	NE	SD	ID	MT	KS	20	2
All Other Hay	TX	MO	KY	KS	TN	NE	OK	SD	PA	ND	10	3
All Hay	WI	CA	TX	NE	IA	MO	MN	SD	KS	MI	19	3
Total Acreage												
Principal Crops Planted	IA	IL	ND	KS	TX	MN	NE	SD	MO	IN	3	7
Principal Crops Harvested	IA	IL	ND	KS	MN	TX	NE	SD	MO	IN	3	7
LIVESTOCK ON HAND - JANUARY 1, 1991												
All Cattle & Calves	TX	NE	KS	OK	IA	CA	MO	WI	SD	CO	21	2
Cows That Have Calved												
Milk	WI	CA	NY	MN	PA	TX	MI	OH	IA	WA	30	1
Beef	TX	MO	OK	NE	SD	MT	KS	IA	KY	FL	14	3
All Hogs - Dec. 1, 1990	IA	IL	MN	IN	NE	NC	MO	OH	SD	KS	23	*
All Sheep & Lambs	TX	CA	WY	CO	MT	SD	UT	OR	IA	NM	15	2
Sheep & Lambs on Feed	CA	CO	TX	WY	OR	IA	SD	MN	OH	KS	11	3
Cattle & Calves on Feed	TX	NE	KS	IA	CO	CA	IL	MN	OK	SD	26	*
All Chickens, Dec. 1, 1990	CA	IN	GA	AR	PA	OH	NC	TX	AL	FL	45	*
LIVESTOCK PRODUCTION IN 1990												
Calf Crop	TX	MO	WI	CA	OK	NE	SD	MT	KS	IA	15	3
Lamb Crop	TX	WY	SD	CA	MT	UT	IA	CO	OR	NM	14	2
Pig Crop	IA	IL	MN	IN	NE	NC	MO	OH	SD	KS	23	*
Turkeys Raised	NC	MN	CA	AR	MO	VA	IN	IA	PA	SC	21	*
Egg Production	CA	IN	PA	OH	GA	AR	TX	NC	FL	MN	44	*
Wool Production	TX	WY	CA	MT	CO	SD	UT	NM	IA	OR	14	2
Honey Production	FL	CA	SD	ND	MN	TX	WI	MI	MT	NE	4	9
Milk Production	WI	CA	NY	MN	PA	TX	MI	OH	WA	IA	32	1
Butter	WI	CA	MN	PA	OH	NY	KS	MI	OR	MO	12	*
American Cheese	WI	MN	CA	IA	ID	NY	MO	SD	ND	UT	9	2
CASH RECEIPTS - 1990												
Crops	CA	IL	IA	FL	TX	MN	IN	NE	WA	OH	13	2
Livestock	TX	IA	NE	CA	WI	KS	MN	CO	PA	OK	35	1
Total	CA	TX	IA	NE	IL	MN	KS	WI	FL	IN	26	2
Government Payments	TX	KS	IA	NE	ND	MN	IL	SD	OK	AR	5	6
Realized Income												
Gross 1/	CA	TX	IA	NE	IL	MN	KS	WI	FL	IN	25	2
Net 1/	CA	TX	FL	IA	IL	NE	MN	WI	NC	WA	31	1

* Less than one-half of one percent. 1/ 1989 Data.

June 1991

RANK OF NORTH DAKOTA'S COUNTIES

County	Crop Production - 1990								Livestock on Hand			
	All Wheat	Spring Wheat	Durum Wheat	Sun-flower	Barley	Oats	Corn Grain	All Hay	All Cattle Jan. 1 1991	Milk Cows Jan. 1 1991	All Hogs Dec. 1 1990	All Sheep Jan. 1 1991
Adams	44	43	41	43	47	45	46	19	21	31	40	3
Barnes	2	2	24	1	3	30	9	26	33	16	6	5
Benson	12	28	4	10	12	12	15	21	27	24	40	21
Billings	52	51	49	52	52	36	47	24	25	38	49	47
Bottineau	6	17	1	21	6	10	32	27	40	44	45	36
Bowman	49	47	38	49	51	53	47	35	29	51	31	1
Burke	26	32	14	30	28	19	37	31	45	44	51	30
Burleigh	37	31	36	40	44	5	17	5	9	14	13	14
Cass	1	1	18	5	1	33	2	36	34	27	3	4
Cavalier	4	7	8	24	2	28	47	48	48	44	27	50
Dickey	29	21	37	9	27	18	5	23	13	11	2	9
Divide	32	53	9	37	41	39	47	41	42	51	28	34
Dunn	41	37	45	46	34	7	42	3	2	14	19	17
Eddy	35	29	23	12	35	22	20	32	37	36	45	21
Emmons	45	38	48	42	42	23	23	6	7	2	18	37
Foster	23	15	29	6	31	24	14	37	39	44	33	13
Golden Valley	46	44	31	50	43	44	38	44	37	31	25	19
Grand Forks	7	4	34	16	4	38	8	46	47	31	15	28
Grant	50	46	51	39	49	49	24	15	7	8	10	11
Griggs	25	16	30	13	15	32	22	33	41	27	31	41
Hettinger	31	24	26	33	36	40	35	22	32	12	9	33
Kidder	43	39	41	36	37	8	13	1	3	9	22	7
LaMoure	17	11	22	3	19	11	6	17	18	6	7	10
Logan	38	33	47	34	33	27	26	7	6	5	34	50
McHenry	24	18	21	19	23	1	21	2	5	23	38	11
McIntosh	40	34	44	31	39	16	39	11	12	6	25	37
McKenzie	34	35	19	52	46	20	31	14	3	38	20	2
McLean	10	19	6	22	24	3	16	12	16	12	24	30
Mercer	42	40	35	38	50	14	45	16	15	19	39	44
Morton	48	42	53	48	38	41	27	8	1	1	7	14
Mountraill	19	48	3	35	29	17	47	13	19	24	51	21
Nelson	14	13	13	7	9	29	29	38	44	31	47	28
Oliver	51	49	49	45	47	34	34	29	21	10	16	25
Pembina	8	5	39	32	10	47	18	50	46	44	13	45
Pierce	27	30	15	20	21	6	28	28	21	18	40	39
Ramsey	13	23	7	11	8	43	36	47	49	31	29	41
Ransom	30	20	43	14	22	21	3	40	29	36	5	34
Renville	20	22	12	28	13	26	47	50	51	41	53	49
Richland	15	9	20	8	26	34	1	39	17	19	1	27
Rolette	33	50	10	29	20	25	43	20	35	38	29	39
Sargent	28	25	25	17	25	37	4	43	35	27	4	25
Sheridan	36	27	46	23	30	13	33	18	31	16	47	52
Sioux	53	52	52	51	53	52	30	30	21	24	40	47
Slope	47	41	40	47	45	51	47	42	20	41	34	16
Stark	39	36	32	44	40	15	41	9	10	3	20	17
Steele	18	12	28	18	7	42	10	52	52	51	44	45
Stutsman	3	3	17	2	17	4	11	4	10	4	10	8
Towner	21	45	5	25	16	48	44	49	49	44	34	32
Traill	16	8	33	27	5	50	7	53	53	44	17	53
Walsh	9	6	27	54	14	46	19	45	43	30	10	41
Ward	5	14	2	15	11	2	25	10	14	21	34	19
Wells	11	10	16	4	18	9	12	25	26	22	23	21
Williams	22	26	11	41	32	31	40	34	28	41	50	6

NORTH DAKOTA FARM INCOME

Source: Economic Indicators of the Farm Sector, U.S.D.A. - E.R.S.

1990 CASH RECEIPTS, PRELIMINARY

Preliminary figures for cash receipts from all farm product marketings by North Dakota farmers totaled $2.5 billion in 1990, up 17 percent from 1989. Cash receipts were 3 percent above the average for 1985-89.

Cash receipts for crops totaled $1.8 billion, up 21 percent from 1989. Livestock receipts, at $685 million, advanced 7 percent from the previous year. Government payments, at $545 million, increased 15 percent from 1989.

1989 CASH RECEIPTS

Cash receipts from farm marketings and government payments totaled $2.6 billion, down 16 percent from 1988 and 17 percent lower than 1987. Receipts from marketed crops totaled $1.5 billion, 57 percent of the total. Livestock receipts totaled $642 million, 25 percent of the total. The remaining 18 percent came from government payments which totaled $475 million.

Decreases in feed and oil crops were responsible for a 3 percent reduction in crop receipts. Decreases in meat animals, poultry/eggs, and other livestock attributed to a 25 percent reduction in livestock receipts. Government payments decreased 34 percent from 1988's level of $715 million.

Wheat continued to be the largest source of cash receipts for North Dakota farmers, bringing in $629 million in 1989, 24 percent of the total. Cattle and calves ranked second with $443 million, 17 percent of the total.

INCOME PER FARM

Realized gross farm income averaged $91,266 in 1989. This is up 15 percent from $79,042 in 1988 and down 5 percent from 1987.

Net farm income averaged $15,278 in 1989, up 69 percent from the 1988 net income of $9,033 and down 30 percent from $21,681 in 1987.

CASH RECEIPTS
FARM MARKETINGS AND GOVERNMENT PAYMENTS
North Dakota, 1987-90

Item	1987 1/	1988 1/	1989	Percent Total 1989 2/	1990
	- - - Thousand Dollars - - -			Pct.	000 $
CROPS	1,644,960	1,507,398	1,465,427	56.7	1,774,687
Food Grains	720,850	592,695	630,525	24.4	
Wheat	714,578	590,944	629,200	24.4	
Rye	6,272	1,751	1,325	0.1	
Feed Crops	298,217	359,707	272,781	10.6	
Barley	178,930	250,963	164,938	6.4	
Corn	66,025	57,373	57,051	2.2	
Hay	25,663	34,649	40,733	1.6	
Oats	27,599	16,722	10,059	0.4	
Oil Crops	295,799	275,537	234,856	9.1	
Sunflower	157,306	180,382	144,928	5.6	
Soybeans	117,376	80,308	82,727	3.2	
Flaxseed	21,117	14,847	7,201	0.3	
Veg., Fruits, Nuts	146,150	132,005	169,677	6.6	
Dry Beans	59,341	54,706	76,345	3.0	
Potatoes	86,114	76,569	92,592	3.6	
Misc.	695	730	740	—	
Other Crops	183,944	147,454	157,588	6.1	
Sugarbeets	138,768	113,520	124,423	4.8	
Other	45,176	33,934	33,165	1.3	
LIVESTOCK	763,993	850,834	642,148	24.9	684,765
Meat Animals	608,848	702,136	486,724	18.8	
Cattle & Calves	545,729	651,113	443,119	17.2	
Hogs	52,622	43,000	36,397	1.4	
Sheep & Lambs	10,497	8,023	7,208	0.3	
Dairy Products	116,550	111,289	122,000	4.7	
Poultry & Eggs	10,896	13,213	12,622	0.5	
Turkeys	8,668	10,396	9,169	0.4	
Eggs	1,933	1,721	1,958	0.1	
Other Poultry	235	275	665	—	
Misc. Livestock	27,699	24,196	20,802	0.8	
Wool	1,156	1,717	1,825	0.1	
Other Livestock	12,188	15,952	11,831	0.5	
Honey	14,355	6,527	7,146	0.3	
TOTAL CROPS & LIVESTOCK	2,408,953	2,358,232	2,107,575	81.6	2,459,452
Gov't Payments	719,783	715,068	474,846	18.4	545,378
GRAND TOTAL	3,128,736	3,073,300	2,582,421	100.0	3,004,830

1/ Revised. 2/ Items may not add due to rounding.

CASH RECEIPTS FROM MARKETINGS
North Dakota, 1990

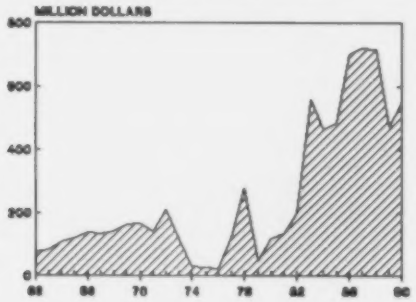
Month	Livestock		Crops		Total	
	(000 $)	(Pct.)	(000 $)	(Pct.)	(000 $)	(Pct.)
January	81,597	11.9	181,881	10.2	263,478	10.7
February	53,567	7.8	86,184	4.9	139,751	5.7
March	49,793	7.3	95,097	5.4	144,890	5.9
April	41,114	6.0	97,417	5.5	138,531	5.6
May	35,626	5.2	65,699	3.7	101,325	4.1
June	32,101	4.7	103,817	5.8	135,918	5.5
July	30,318	4.4	94,870	5.3	125,188	5.1
August	43,298	6.3	183,479	10.3	226,777	9.2
September	62,773	9.2	241,296	13.6	304,069	12.4
October	105,989	15.5	198,088	11.2	304,077	12.4
November	99,420	14.5	247,850	14.0	347,270	14.1
December	49,169	7.2	179,009	10.1	228,178	9.3
Year	684,765	100.0	1,774,687	100.0	2,459,452	100.0

FARM INCOME

CASH RECEIPTS FROM GOVERNMENT PAYMENTS
North Dakota, 1987-90

Item	1987	1988	1989	1990
	- - - Thousand Dollars - - -			
Conservation	43,372	76,569	101,104	121,070
Feed Grain Program	196,228	101,638	38,688	22,887
Wheat Program	409,187	235,851	86,525	330,490
Miscellaneous	70,996	301,010	248,529	70,041
Total	719,783	715,068	474,846	545,378

CASH RECEIPTS FROM GOVERNMENT PAYMENTS
NORTH DAKOTA, 1962 - 90



FARM INCOME
North Dakota, 1980-89 1/

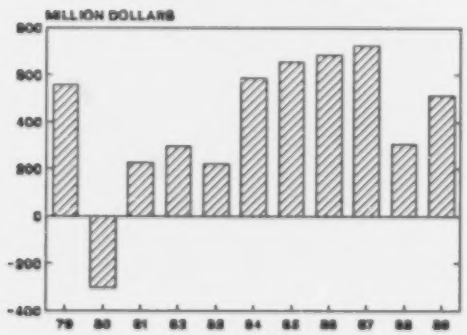
Year	Gross		Net	
	Total	Per Farm	Total	Per Farm
	Mil. $	Dol.	Mil. $	Dol.
1980	2,318.9	57,973	168.1	4,203
1981	3,021.0	78,468	225.7	5,862
1982	3,118.2	84,276	294.5	7,959
1983	3,084.3	84,501	220.8	6,049
1984	3,476.4	97,927	585.1	16,482
1985	3,400.0	100,000	688.1	20,238
1986	3,136.6	93,960	616.2	18,394
1987	3,207.7	95,752	726.3	21,681
1988	2,647.9	79,042	302.6	9,033
1989	3,057.4	91,266	511.8	15,278

1/ Allows for inventory adjustment.

GROSS & NET FARM INCOME
North Dakota, 1987-89

Item	1987	1988	1989
	- - - Million Dollars - - -		
Gross Farm Income	3,2077.7	2,647.9	3,057.4
Receipts from Farm Mktgs.	2,409.0	2,358.2	2,107.6
Government Payments	719.8	715.1	474.8
Non-Cash Income	121.7	123.1	118.7
Other Farm Income	49.8	49.0	56.0
Value of Inventory Adj.	-92.5	-597.4	300.4
Farm Production Expenses	2,481.4	2,345.3	2,545.6
Net Farm Income	726.3	302.6	511.8
	- - - Dollars - - -		
Gross Income per Farm	95,752	79,042	91,266
Net Income per Farm	21,681	9,033	15,278

OPERATING MARGIN FOR
NORTH DAKOTA FARMERS, 1979 - 89



FARM PRODUCTION EXPENSES
North Dakota, 1987-89

Item	1987	1988	1989
	- - - Million Dollars - - -		
Intermediate Product Expenses	1,147.8	1,176.7	1,302.6
Feed	76.9	78.6	85.5
Livestock	37.4	54.4	82.1
Seed	102.5	102.8	117.4
Fertilizer and Lime	173.9	182.6	203.6
Pesticides	138.9	136.7	176.1
Fuel and Oil	166.3	165.0	178.5
Electricity	31.8	32.9	31.0
Repair and Maintenance	155.0	151.8	178.2
Other Miscellaneous	265.0	271.8	270.2
Interest: Real Estate	183.3	170.9	162.6
Non-real Estate	206.9	202.3	201.1
Labor Expenses	91.0	94.2	99.7
Net Rent to Non-op. Landlords	297.9	217.6	276.3
Capital Consumption	434.5	361.4	374.5
Property Taxes	120.0	122.2	128.8
Total Production Expenses	2,481.4	2,345.3	2,545.6

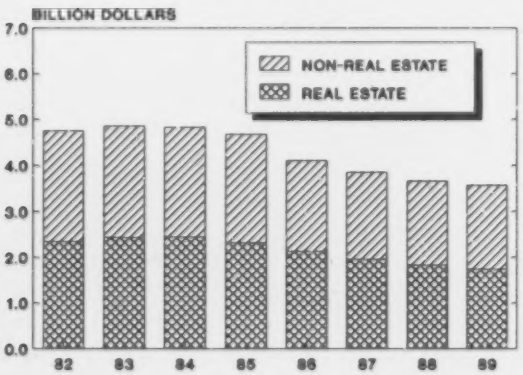
Source: Economic Indicators of the Farm Sectors, U.S.D.A., E.R.S.

FARM ASSETS & DEBT

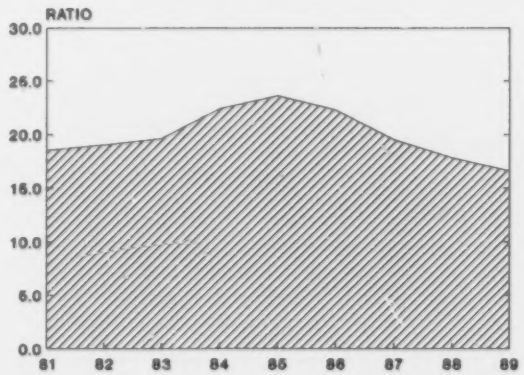
Farm Balance Sheet, North Dakota, December 31, 1985-89

Item	1985	1986	1987	1988	1989
EXCLUDING FARM HOUSEHOLDS					
ASSETS			Million Dollars		
Total Farm Assets	17,088.6	15,774.8	16,747.5	17,388.0	18,379.1
Real Estate	11,871.3	10,716.2	11,194.5	11,514.0	12,266.5
Livestock and Poultry	822.5	837.7	1,113.0	1,077.9	1,212.8
Machinery and Motor Vehicles	2,420.9	2,344.9	2,278.8	2,327.7	2,451.4
Crops	764.8	632.7	673.3	936.5	891.5
Purchased Inputs	38.9	62.4	103.5	100.0	87.4
Investments in Cooperatives	1,019.2	1,011.8	1,215.4	1,253.3	1,287.7
Other Financial	151.0	169.2	168.9	178.6	181.8
DEBTS					
Total Farm Debt	4,378.8	3,825.2	3,580.6	3,400.0	3,336.3
Real Estate Debt	2,166.6	1,989.9	1,809.9	1,696.4	1,615.7
Non-real Estate Debt	2,212.2	1,835.3	1,770.8	1,703.6	1,720.7
Equity	12,709.8	11,949.6	13,166.9	13,988.0	15,042.7
RATIOS					
Equity/Assets	74.4	75.8	78.6	80.4	81.8
Debt/Equity	34.5	32.0	27.2	24.3	22.2
Debt/Assets, Total	25.6	24.2	21.4	19.6	18.2
INCLUDING FARM HOUSEHOLDS					
ASSETS			Million Dollars		
Total Farm Assets	19,818.6	18,410.8	19,687.5	20,463.2	21,513.7
Real Estate	13,671.8	12,349.1	12,983.3	13,339.9	14,094.0
Livestock and Poultry	822.5	837.7	1,113.0	1,077.9	1,212.8
Machinery and Motor Vehicles	2,551.2	2,464.5	2,425.2	2,475.6	2,579.5
Crops	764.8	632.7	673.3	936.5	891.5
Purchased Inputs	38.9	62.4	103.5	100.0	87.4
Household Equipment and Furnishings	458.8	474.8	544.1	611.8	684.0
Investments in Cooperatives	1,019.2	1,011.8	1,215.4	1,253.3	1,287.7
Other Financial	491.2	577.9	629.6	668.1	676.8
DEBTS					
Total Farm Debt	4,674.8	4,100.3	3,847.1	3,651.6	3,589.9
Real Estate Debt	2,318.6	2,130.5	1,943.7	1,821.0	1,727.7
Non-real Estate Debt	2,356.1	1,969.8	1,903.4	1,830.6	1,842.2
Equity	15,143.8	14,310.5	15,840.4	16,811.7	17,943.9
RATIOS					
Equity/Assets	76.4	77.7	80.5	82.2	83.4
Debt/Equity	30.9	28.7	24.3	21.7	19.9
Debt/Assets, Total	23.6	22.3	19.5	17.8	16.6

FARM DEBT
NORTH DAKOTA, 1982 - 89



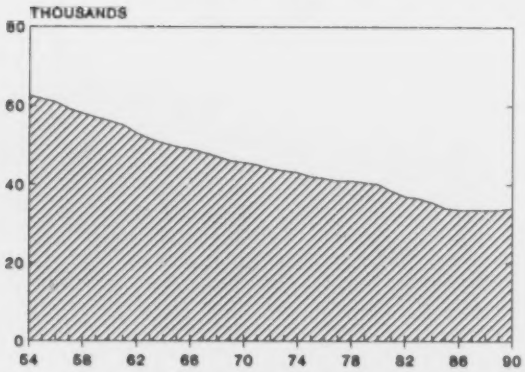
DEBT TO ASSET RATIO
NORTH DAKOTA, 1981 - 89



Source: Economic Indicators of the Farm Sector

FARM REAL ESTATE

NUMBER OF FARMS
NORTH DAKOTA, 1954-90



NUMBER OF FARMS, LAND IN FARMS, AVERAGE SIZE, VALUE, AND REAL ESTATE TAXES
North Dakota, 1977-91

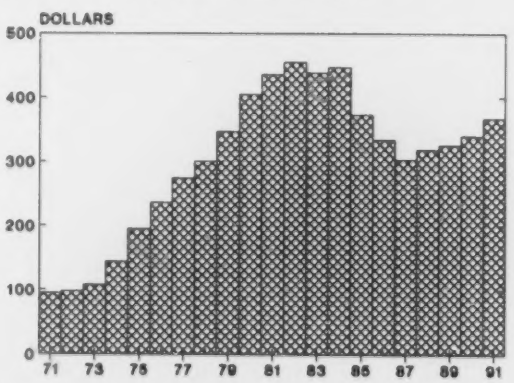
Year	Number of Farms	Land in Farms	Average Size of Farms	Total Value	Value per Acre	Farm Real Estate Tax Per $100 of Value
	(Number)	(000 Acres)	(Acres)	(Mil. Dols.)	(Dols.)	(Dols.)
1977	41,000	41,800	1,020	11,451	274	.62
1988	41,000	41,700	1,017	12,493	300	.58
1979	40,500	41,700	1,030	14,470	347	.51
1980	40,000	41,700	1,043	16,888	405	.47
1981	38,500	41,300	1,073	18,007	436	.44
1982	37,000	41,000	1,108	18,655	455	.45
1983	36,500	41,000	1,123	17,999	439	.44
1984	35,500	41,000	1,155	18,320	447	.47
1985	34,000	40,900	1,203	15,253	373	.58
1986	33,500	40,800	1,218	13,638	334	.67
1987	33,500	40,700	1,215	12,319	303	.68
1988	33,500	40,600	1,212	12,951	319	.65
1989	33,500	40,500	1,209	13,203	326	.65
1990	34,000	40,500	1,191	13,770	340	NA
1991	NA	NA	NA	14,904	368	NA

NA - Not Available.

RENT PER ACRE AND RATIO TO VALUE
North Dakota, 1982-91

Year	Farms		Cropland		Pastures	
	Rent per Acre	Ratio Rent to Value	Rent per Acre	Ratio Rent to Value	Rent per Acre	Ratio Rent to Value
	(Dol.)	(Pct.)	(Dol.)	(Pct.)	(Dol.)	(Pct.)
1982	27.30	5.8	32.90	6.1	9.20	4.4
1983	26.90	6.3	32.60	6.5	8.70	4.4
1984	27.36	6.5	32.42	6.7	9.86	5.1
1985	25.70	7.4	31.70	7.6	9.00	5.6
1986	26.90	8.1	29.70	8.1	7.80	5.8
1987	23.40	7.7	28.20	8.4	7.80	6.7
1988	25.40	8.1	28.80	8.1	8.50	6.6
1989	24.20	8.1	29.40	8.4	8.40	6.8
1990	24.30	8.6	25.20	8.9	8.50	6.9
1991	27.00	8.3	28.70	9.0	8.50	6.9

FARM REAL ESTATE - VALUE PER ACRE
NORTH DAKOTA, 1971 - 91



Source: Agricultural Resources ERS except farm numbers and land area which are NASS data.

COUNTY RENTS

BACKGROUND

The National Agricultural Statistics Service (NASS) of USDA conducts an annual survey of farmers and ranchers to obtain value of land and rental rates in their localities. The survey is designed to provide state and national land values and cash rents.

The survey is funded by the Economic Research Service (ERS) of USDA, who publishes the state and national land values and rents obtained from the survey. These data are published annually with a preliminary report containing the land values released in April.

The full report, which includes rental rates, is released in July. North Dakota data from these reports are shown on the preceding page. Copies of the full report are available from ERS in Washington, D.C.

COUNTY DATA

Since 1989, North Dakota's Land Department contracted with the North Dakota office of NASS (North Dakota Agricultural Statistics Service) to produce county level statistics on cash rents. The data here are part of the report from this joint endeavor. Copies of the full report, which contain county minimum and maximum reported values and modes, are available upon request.

In North Dakota, a sample of 500 operations is normally used to get state and district data. To obtain county information, an additional sample of 2300 farming operations was drawn.

The survey was conducted during late January and early February by mail with phone follow-up of those not responding by mail. There were over 2000 reports tabulated.

The data published here are the rounded averages of the reported values. They are not official estimates. We advise the reader to exercise discretion when using data from counties where less than ten reports were tabulated. Until historic trends of survey indications can be developed for detection of sampling bias and/or error within this survey, caution should be used when analyzing changes from prior years' survey results.

WHOLE FARMS RENTED FOR CASH
North Dakota, 1991

County	Number of Reports	Average Cash Rent per Acre	Average Value of Rented Land	Rent as a Percent of Value
	No.	--- Dollars/Acre ---		Pct.
Burke	11	19.30	228.00	8.5
Divide	11	17.70	245.00	7.2
Mountrail	7	21.30	314.00	6.8
Renville	21	23.60	306.00	7.7
Ward	22	28.40	354.00	8.0
Williams	14	16.40	236.00	7.0
Benson	21	21.60	248.00	8.7
Bottineau	20	25.40	276.00	9.2
McHenry	10	18.30	220.00	8.3
Pierce	24	22.90	276.00	8.3
Rolette	25	21.60	235.00	9.2
Cavalier	43	32.10	417.00	7.7
Grand Forks	31	43.00	524.00	8.2
Nelson	29	25.70	277.00	9.3
Pembina	33	50.70	789.00	6.4
Ramsey	31	26.10	319.00	8.2
Towner	34	25.60	287.00	8.9
Walsh	44	43.80	550.00	8.0
Dunn	15	14.50	205.00	7.1
McKenzie	8	17.50	221.00	7.9
McLean	9	24.60	320.00	7.7
Mercer	6	12.40	198.00	6.3
Oliver	15	14.50	187.00	7.7
Eddy	13	25.50	269.00	9.5
Foster	23	28.90	301.00	9.6
Kidder	11	15.80	155.00	10.2
Sheridan	16	20.60	242.00	8.5
Stutsman	13	30.40	286.00	10.6
Wells	20	29.50	329.00	9.0
Barnes	15	29.20	345.00	8.5
Cass	22	51.50	679.00	7.6
Griggs	17	30.30	325.00	9.3
Steele	23	36.70	370.00	9.9
Traill	16	51.80	829.00	6.3
Adams	27	14.40	178.00	8.1
Billings	25	14.90	196.00	7.6
Bowman	20	14.20	157.00	9.0
Golden Valley	13	21.00	248.00	8.5
Hettinger	23	17.40	220.00	7.9
Slope	24	14.70	190.00	7.8
Stark	30	18.10	229.00	7.9
Burleigh	15	15.00	201.00	7.5
Emmons	10	16.00	180.00	8.8
Grant	18	14.40	157.00	9.2
Morton	19	17.00	173.00	9.8
Sioux	19	13.50	130.00	10.4
Dickey	13	25.90	273.00	9.5
LaMoure	19	27.50	341.00	8.1
Logan	13	18.40	236.00	7.8
McIntosh	13	18.20	206.00	8.8
Ransom	17	33.90	339.00	10.0
Richland	20	50.50	732.00	6.9
Sargent	19	32.60	365.00	9.0

COUNTY RENTS

CROPLAND RENTED FOR CASH
North Dakota, 1991

PASTURE RENTED FOR CASH
North Dakota, 1991

Year	Number of Reports	Average Cash Rent per Acre	Average Value of Rented Land	Rent as a Percent of Value	Number of Reports	Average Cash Rent per Acre	Average Value of Rented Land	Rent as a Percent of Value
	No.	- - Dollars/Acre - -		Pct.	No.	- - Dollars/Acre - -		Pct.
Burke	33	22.80	256.00	8.9	22	6.70	97.00	6.9
Divide	33	20.70	236.00	8.8	20	7.60	113.00	6.8
Mountrail	35	22.50	269.00	8.4	29	6.40	110.00	5.8
Renville	36	25.40	332.00	7.7	25	8.10	138.00	5.9
Ward	49	27.00	354.00	7.6	39	8.70	135.00	6.4
Williams	42	18.30	242.00	7.6	24	6.40	110.00	5.8
Benson	36	25.30	283.00	8.9	28	8.70	131.00	6.6
Bottineau	39	25.50	312.00	8.2	20	8.70	155.00	5.6
McHenry	29	23.30	264.00	8.8	25	8.70	132.00	6.6
Pierce	34	25.60	289.00	8.9	30	9.10	123.00	7.4
Rolette	32	24.50	272.00	9.0	27	9.00	130.00	6.9
Cavalier	63	33.00	437.00	7.6	[illegible]	8.70	124.00	7.1
Grand Forks	49	50.20	599.00	8.4	[illegible]	8.80	164.00	5.4
Nelson	45	28.80	306.00	9.4	24	7.90	121.00	6.5
Pembina	61	55.30	811.00	6.8	22	13.00	220.00	5.9
Ramsey	53	27.30	316.00	8.7	14	9.40	135.00	6.9
Towner	54	26.40	305.00	8.6	25	8.90	141.00	6.3
Walsh	64	45.50	585.00	7.8	29	11.30	155.00	7.3
Dunn	26	17.30	210.00	8.2	23	8.90	142.00	6.3
McKenzie	32	19.70	237.00	8.3	23	6.80	104.00	6.5
McLean	32	24.80	317.00	7.8	22	8.10	138.00	5.9
Mercer	23	19.00	241.00	7.9	22	8.20	135.00	6.1
Oliver	33	18.70	216.00	8.6	33	8.30	137.00	6.0
Eddy	26	27.80	283.00	9.8	27	9.80	135.00	7.3
Foster	32	33.30	328.00	10.2	27	11.10	138.00	8.0
Kidder	27	19.40	182.00	10.7	30	9.70	120.00	8.1
Sheridan	31	22.50	253.00	8.9	28	8.50	121.00	7.0
Stutsman	34	31.00	286.00	10.8	29	10.50	139.00	7.5
Wells	36	29.10	313.00	9.3	24	9.20	157.00	5.8
Barnes	34	31.40	370.00	8.5	23	10.00	159.00	6.3
Cass	46	51.50	654.00	7.9	10	13.00	176.00	7.4
Griggs	33	33.40	346.00	9.6	26	11.00	140.00	7.9
Steele	34	39.90	409.00	9.8	17	10.90	135.00	8.0
Traill	30	57.00	815.00	7.0	5	13.40	167.00	8.0
Adams	40	16.60	186.00	8.9	34	8.80	108.00	8.2
Billings	33	16.70	207.00	8.1	31	9.30	130.00	7.2
Bowman	30	17.00	198.00	8.6	31	7.70	95.00	8.1
Golden Valley	34	22.30	248.00	9.0	28	6.30	94.00	6.7
Hettinger	44	19.50	233.00	8.4	38	9.40	138.00	6.9
Slope	38	17.40	208.00	8.3	36	8.00	113.00	7.1
Stark	44	19.90	239.00	8.3	35	9.60	143.00	6.7
Burleigh	33	19.80	208.00	9.5	31	8.60	117.00	7.3
Emmons	27	21.20	208.00	10.2	30	10.30	126.00	8.2
Grant	29	18.70	177.00	10.6	28	8.50	113.00	7.5
Morton	33	21.10	214.00	9.9	34	9.30	121.00	7.7
Sioux	26	16.30	148.00	11.0	16	5.50	86.00	6.5
Dickey	28	25.30	255.00	9.9	25	11.90	131.00	9.1
LaMoure	27	29.20	292.00	10.0	25	11.00	148.00	7.5
Logan	29	22.30	236.00	9.4	30	10.70	148.00	7.3
McIntosh	25	20.40	219.00	9.3	25	10.70	135.00	7.9
Ransom	23	36.40	353.00	10.3	14	12.00	153.00	7.9
Richland	28	54.80	766.00	7.2	13	12.50	224.00	5.6
Sargent	29	35.00	390.00	9.0	18	12.70	168.00	7.6

NORTH DAKOTA CROP & WEATHER DATA, 1990

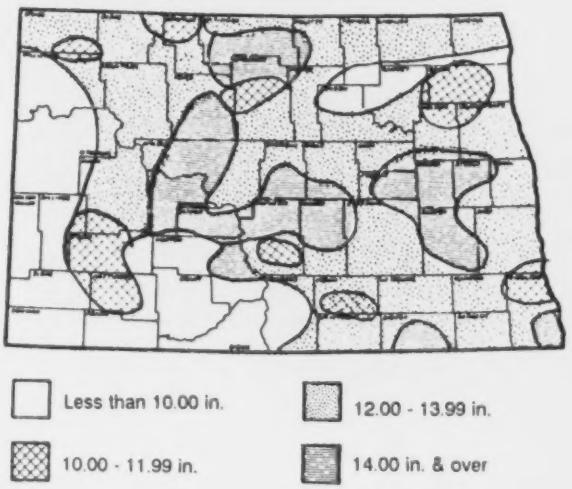
PLANTING AND HARVEST PROGRESS BY DATE AND PRECIPITATION MAP

HIGHLIGHTS

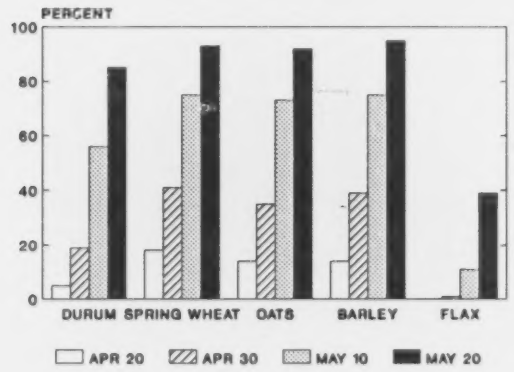
* Early fieldwork was delayed by cool temperatures and inadequate soil moisture.
* Timely showers in May and June benefited small grains at crucial growth stages. Cooler than normal temperatures during July helped to slow the depletion of already short soil moisture.
* Small grains remained in fair to good condition throughout the season. Harvest was complete by the second week in September, ahead of average.
* Row crop conditions mostly good June-July, deteriorated after that. Harvest was finished early in November, ahead of average.
* Topsoil moisture started short, improved in June, but declined back to short mid-July. Subsoil moisture was short throughout the growing season.

ANNUAL GROWING SEASON PRECIPITATION

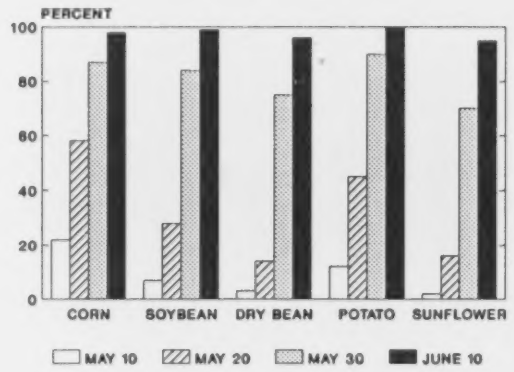
April-September, 1990 - North Dakota



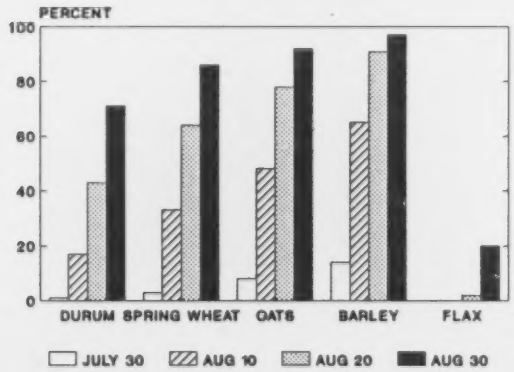
SMALL GRAIN PLANTING PROGRESS
NORTH DAKOTA, 1990



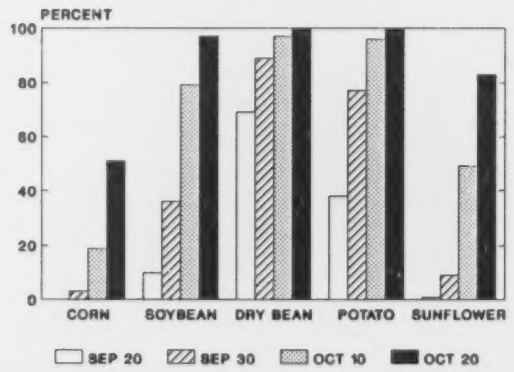
ROW CROP PLANTING PROGRESS
NORTH DAKOTA, 1990



SMALL GRAIN HARVEST PROGRESS
NORTH DAKOTA, 1990



ROW CROP HARVEST PROGRESS
NORTH DAKOTA, 1990



PLANTING & HARVEST PROGRESS

North Dakota, 1990 and 5-Year Average (1986-90)

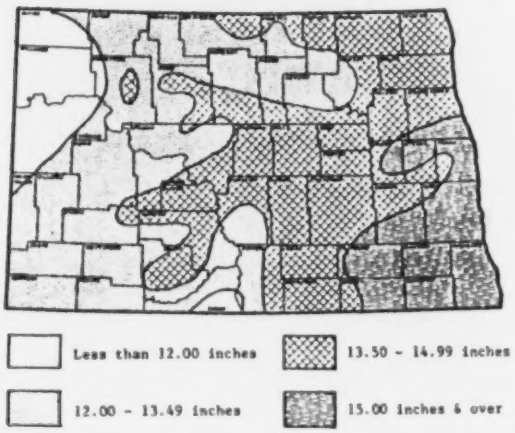
Crop	Year	April			May			June
		10	20	30	10	20	30	10
		- - - Percent Planted - - -						
Durum Wheat	1990	1/	5	19	56	85	98	100
	Average	1/	5	20	51	81	97	100
Other Spring Wheat	1990	3	18	41	75	93	99	100
	Average	2	13	37	67	89	98	100
Oats	1990	1	14	35	73	92	99	100
	Average	1	12	34	64	88	98	100
Barley	1990	1	14	39	75	95	99	100
	Average	1	11	34	66	89	99	100
Flax	1990			1	11	39	82	98
	Average			3	13	37	76	95
Corn	1990			2	22	58	87	98
	Average			4	21	53	84	97
Soybeans	1990			1	7	28	84	99
	Average			1	6	30	77	98
Beans, Dry	1990			1/	3	14	75	98
	Average			1/	3	20	71	97
Potatoes	1990				12	45	90	100
	Average			3	22	59	91	99
Sunflower	1990				2	16	70	95
	Average			1/	2	18	60	92
Sugarbeets	1990		5	47	89	100		
	Average		16	51	79	94		

Crop	Year	July		August			September			October			Nov.
		20	30	10	20	30	10	20	30	10	20	30	10
		- - - Percent Harvested - - -											
Durum Wheat	1990		1	17	43	71	94	99	100				
	Average	1	5	25	51	75	91	96	97				
Other Spring Wheat	1990		3	33	64	86	98	100					
	Average	2	13	41	67	86	95	97	98				
Winter Wheat	1990	1	19	81	99	100							
	Average	16	47	87	98	100							
Oats	1990	1/	8	48	78	92	99						
	Average	3	17	50	76	91	98						
Barley	1990	1	14	65	91	97	100						
	Average	4	23	61	84	95	99						
Flax	1990			1/	2	20	55	82	96	100			
	Average			1	7	20	43	65	80	88	95		
Corn for Grain	1990						1/	1/	3	19	51	85	100
	Average						1	4	11	31	60	87	99
Soybeans	1990						2	10	36	79	97	100	
	Average						4	16	42	74	94	99	100
Beans, Dry	1990					14	46	69	89	97	100		
	Average				1/	7	27	53	74	88	98		
Potatoes	1990					1	13	38	77	96	100		
	Average				2	5	20	48	80	96	100		
Sunflower	1990						1/	1	9	49	83	97	100
	Average						1	2	10	38	71	91	98
Sugarbeets	1990							4	10	71	98	100	
	Average						2	5	14	66	98	100	

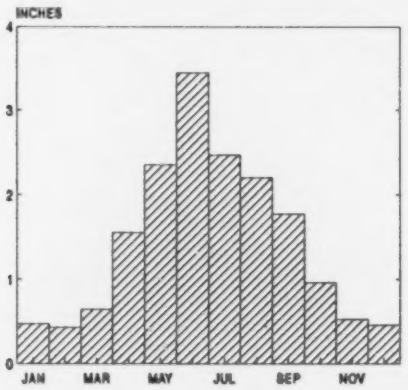
1/ Less than one-half of one percent.

GROWING SEASON

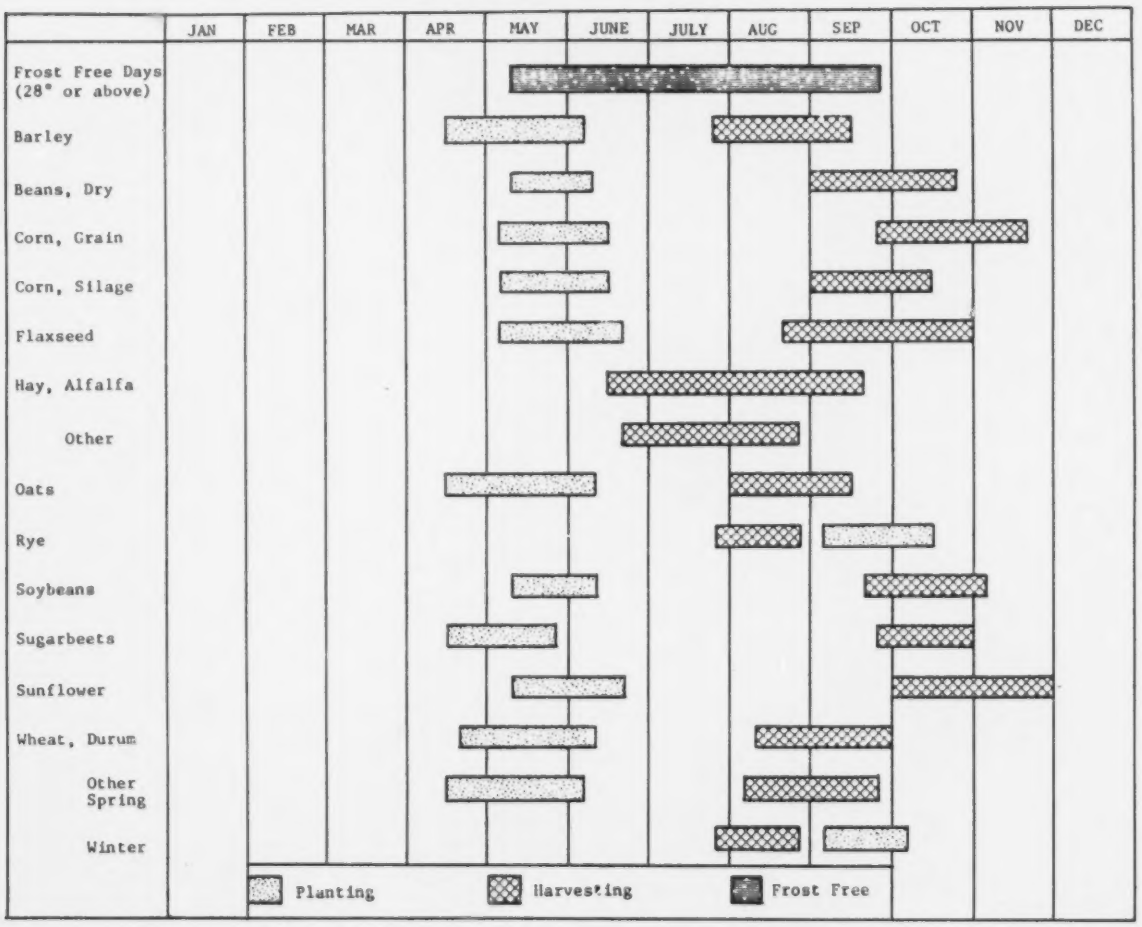
GROWING SEASON PRECIPITATION
APRIL-SEPTEMBER, 1951-80 AVG.



MONTHLY PRECIPITATION
NORTH DAKOTA, 1951-80 AVERAGE



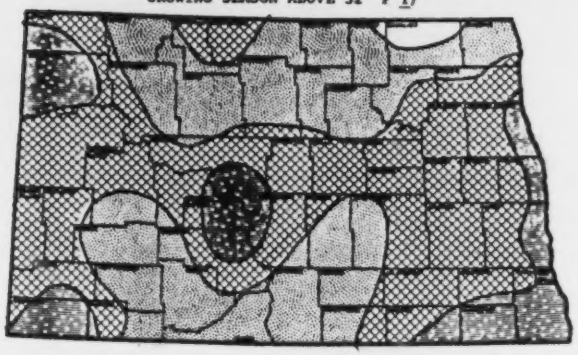
CROP CALENDAR, NORTH DAKOTA



SOURCE: Usual Planting and Harvesting Dates for U.S. Field Crops, USDA/NASS, April 1984

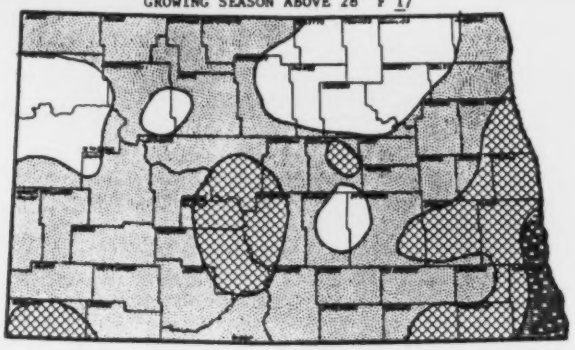
GROWING SEASON

LONG-TERM AVERAGE NUMBER OF DAYS IN GROWING SEASON ABOVE 32° F 1/



Under 110 days
110 - 119 days
120 - 129 days
130 days & over

LONG-TERM AVERAGE NUMBER OF DAYS IN GROWING SEASON ABOVE 28° F 1/



Under 130 days
130 - 139 days
140 - 149 days
150 days & over

LENGTH OF GROWING SEASON AT TEMPERATURES OF 28°F AND 32°F OR ABOVE, NORTH DAKOTA

Station	County	Average Date of Last Spring Frost		Average Date of First Frost in Fall		Average Number of Days in Growing Season		Number of Years in Average
		28°	32°	32°	28°	32°	28°	
NORTHWEST DISTRICT		(Date)	(Date)	(Date)	(Date)	(Date)	(Date)	(Years)
Crosby	Divide	May 10	May 18	Sept. 16	Sept. 23	120	137	63
Minot Exp.	Ward	May 12	May 20	Sept. 17	Sept. 26	119	137	69
Mohall	Renville	May 11	May 18	Sept. 16	Sept. 23	122	135	44
Parshall	Mountrail	May 15	May 21	Sept. 12	Sept. 18	114	126	59
Powers Lake	Burke	May 15	May 23	Sept. 11	Sept. 23	111	133	41
Williston	Williams	May 4	May 13	Sept. 22	Sept. 28	132	146	78
NORTH CENTRAL DISTRICT								
Bottineau	Bottineau	May 15	May 21	Sept. 15	Sept. 23	116	130	70
Granville	McHenry	May 13	May 19	Sept. 15	Sept. 25	119	134	65
Maddock	Benson	May 15	May 23	Sept. 13	Sept. 21	113	129	53
Towner	McHenry	May 14	May 21	Sept. 12	Sept. 21	114	129	54
NORTHEAST DISTRICT								
Grafton	Walsh	May 9	May 18	Sept. 19	Sept. 25	123	139	70
Grand Forks	Grand Forks	May 6	May 16	Sept. 23	Sept. 29	130	146	66
Hansboro	Towner	May 17	May 27	Sept. 11	Sept. 18	106	124	65
Langdon Exp.	Cavalier	May 17	May 28	Sept. 13	Sept. 21	109	126	69
Pembina	Pembina	May 12	May 21	Sept. 17	Sept. 25	119	135	70
WEST CENTRAL DISTRICT								
Dunn Center	Dunn	May 12	May 17	Sept. 18	Sept. 27	122	137	50
Garrison	McLean	May 8	May 18	Sept. 19	Sept. 25	124	139	62
Washburn	McLean	May 6	May 13	Sept. 24	Oct. 1	137	148	26
Watford City	McKenzie	May 7	May 13	Sept. 19	Sept. 27	127	141	34
CENTRAL DISTRICT								
Fessenden	Wells	May 8	May 17	Sept. 18	Sept. 26	123	140	40
Jamestown	Stutsman	May 5	May 15	Sept. 20	Sept. 29	128	146	73
McClusky	Sheridan	May 11	May 20	Sept. 18	Sept. 26	120	137	54
Pettibone	Kidder	May 13	May 22	Sept. 12	Sept. 17	111	124	46
EAST CENTRAL DISTRICT								
Amenia	Cass	May 6	May 15	Sept. 23	Sept. 28	130	144	73
Cooperstown	Griggs	May 11	May 21	Sept. 19	Sept. 26	121	138	49
Fargo	Cass	May 4	May 12	Sept. 26	Oct. 2	137	151	66
Mayville	Traill	May 8	May 17	Sept. 24	Oct. 2	129	147	57
SOUTHWEST DISTRICT								
Beach	Golden Valley	May 12	May 20	Sept. 18	Sept. 27	121	138	58
Bowman	Bowman	May 6	May 14	Sept. 21	Sept. 30	130	146	52
Dickinson Exp.	Stark	May 12	May 19	Sept. 14	Sept. 22	117	132	72
Hettinger	Adams	May 11	May 18	Sept. 20	Sept. 27	124	137	36
Marmarth	Slope	May 11	May 16	Sept. 15	Sept. 23	122	136	43
SOUTH CENTRAL DISTRICT								
Carson #2	Grant	May 11	May 19	Sept. 15	Sept. 24	119	135	59
Mandan Exp.	Morton	May 7	May 12	Sept. 23	Sept. 28	133	144	59
SOUTHEAST DISTRICT								
Edgeley Exp.	LaMoure	May 11	May 18	Sept. 19	Sept. 28	123	139	66
Lisbon	Ransom	May 10	May 19	Sept. 20	Sept. 27	123	139	64
McLeod	Ransom	May 9	May 15	Sept. 22	Sept. 29	129	143	62
Napoleon	Logan	May 14	May 21	Sept. 16	Sept. 23	118	132	72
Oakes	Dickey	May 5	May 13	Sept. 23	Oct. 1	133	149	46
Wahpeton	Richland	May 4	May 13	Sept. 25	Oct. 3	136	151	65

1/ Based on data for selected stations. Number of years used in average ranges by station from 26-78 years. Source: National Climatic Data Center.

WEATHER DATA

Average Temperature by Months, North Dakota, 1990

Districts and Stations	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
	Degrees Fahrenheit												
Crosby	20.9	17.6	32.7	42.8	54.0	65.0	67.4	69.0	61.2	43.6	27.3	7.7	42.4
Foxholm	M	16.7	31.7	42.8	53.5	65.9	68.3	70.8	M	M	M	M	42.4*
Kenmare	21.1	15.9	31.3	42.0	51.5	63.6	66.1	68.2	59.6	42.5	28.5	8.9	41.6
Minot Exp. Station	22.0	15.5	31.7	41.1	51.5	63.9	67.4	68.6	58.9	42.5	29.3	8.7	41.8
Mohall	20.6	14.2	31.0	40.5	51.6	63.7	66.0	67.9	59.2	41.6	27.5	7.1	40.9
Powers Lake	19.6	15.1	31.2	40.3	51.2	61.6	65.3	66.9	60.5*	42.1	27.3	5.2	40.5*
Wildrose	20.9	14.9	31.0	40.3	50.6	62.8	66.2	67.7	59.6	41.5	28.3	6.8	40.9
Williston WSO AP	22.9	20.5	34.9	43.2	54.5	65.5	69.9	71.4	61.9	44.6	30.3	9.1	44.1
NORTHWEST	21.3	16.4	31.8	41.5	52.1	63.7	66.9	68.6	60.2	42.3	28.4	7.4	41.7
Bottineau	17.3	9.8	29.1	39.2	52.0	63.5	65.4	67.7	58.1	40.5	26.5	2.9	39.3
Drake	21.9	17.9	32.5	43.2	54.4	66.0	69.0	70.9	61.9	45.0	29.0	7.5	43.3
Leeds	19.4	13.2	28.7	40.0	51.0	63.9	67.0	68.4	58.5	41.9	26.9	5.9	40.4
Rolla	16.8	8.8	25.6	36.7	50.0	62.1	65.2	66.2	57.1	40.7	26.5	4.7	38.4
Rugby	20.1	16.0	31.2	41.6	52.9	65.2	67.3	68.5	59.2	41.8	26.2	4.6	41.2
Towner	20.2	12.9	30.2	40.4	52.1	64.3	67.5	69.5	58.8	41.9	28.1	4.7	40.9
Upham	18.5	11.9	31.0	40.5	52.9	64.2	66.4	67.8	58.1	40.2	26.5	4.7	40.2
Westhope	M	13.1	31.7	41.3	53.9	66.0	66.6	69.4	60.0	42.0	26.0	4.5	41.2*
Willow City	18.4	10.8	29.4	40.0	51.7	63.5	65.7	68.0	57.2	39.8	26.3	3.5	39.5
NORTH CENTRAL	19.5	13.0	29.9	40.3	52.1	64.2	66.8	68.5	58.8	42.0	27.5	5.6	40.7
Devils Lake	20.6	16.6*	29.2	41.8	53.3	65.4	68.7	69.9	60.5	44.5	28.9	9.1	42.4*
Edmore	16.8	13.5	28.0	40.5	51.6	63.0	66.5	68.4	57.9	42.6	25.8	5.1	40.0
Grafton	18.8	15.4	29.0	43.3	56.0	67.9	70.8	M	62.1	45.9	29.9	8.1	43.0*
Grand Forks FAA AP	18.7	14.9	28.7	41.6	53.6	65.5	68.5	69.7	60.4	43.7	29.1	9.1	42.0
Hansboro	17.2	11.6	28.0*	40.8	51.4*	64.2	66.2	68.2	59.3	42.4	25.9	4.4	40.0*
Langdon Exp. Farm	14.3	7.2	24.1	37.5	49.6	61.9	64.7	65.7	56.5	39.0	24.7	3.7	37.4
Park River	19.9	15.5	29.4	43.2	54.7	66.9	70.4	71.0	61.8	45.5	30.4	9.2	43.2
Pembina	13.4	7.6	25.8	39.5	51.1	63.9	66.0	66.6	56.6	40.9	25.4	4.8	38.5
Petersburg	17.7	11.6	26.9	40.3	51.8	63.2	66.9	67.8	58.6	41.2	26.7	5.9	39.9
NORTHEAST	17.8	12.9	27.8	41.1	52.8	64.8	67.8	68.6	59.4	43.0	27.7	7.1	40.9
Beulah	24.4	21.4	34.7	44.6	55.3	65.4	69.8	72.3	63.3	46.1	32.2	11.9	45.1
Butte	24.2	19.9	34.8	44.6	55.1	67.0	69.6	72.9	64.0	47.2	31.5	10.0	45.1
Dunn Center	25.8	23.4	35.1	45.8	54.8	64.9	70.5	72.5	64.2	46.1	33.1	15.5*	46.0*
Garrison	23.3	16.9	32.5	41.3	52.6	63.6	67.1	69.0	59.8	42.4	31.0	9.5	42.4
Max	21.9	15.4	31.9	41.2	52.1	64.0	67.3	68.6	59.6	42.2	29.4	8.0	41.8
Washburn	24.9	18.2	33.8	43.3	53.8	64.6	68.2	70.6	63.8	47.0	32.8	11.9	44.4
Watford City 12 E	23.2	20.5	32.9	41.4	51.8	63.0	66.5	68.2	59.7	41.9	28.8	7.9	42.2
WEST CENTRAL	24.5	20.2	34.1	43.6	53.7	64.8	68.8	71.0	62.5	45.1	32.0	10.9	44.3
Carrington	23.0	17.2	30.7	43.0	54.4	64.2	67.4	68.7	59.8	44.0	28.4	8.4	42.4
Fessenden	23.5	18.5	32.1	43.0	54.4	65.6	68.9	71.0	61.8	45.5	30.1	8.9	43.6
Hurdsfield	21.2	14.9	29.5	40.4	M	63.0	65.5	67.7	58.5	40.8	29.0	7.5	41.0*
Jamestown FAA AP	23.2	19.0	33.2	42.0	54.8	65.4	69.3	70.9	61.8	44.5	31.4	10.5	43.8
McClusky	23.8	20.0	34.4	44.0	54.7	65.7	69.2	71.6	62.7	45.6	31.1	10.9	44.5
Pettibone	21.7	17.2	32.8	42.6	54.4	65.2	69.1	70.2	61.4	44.5	30.8	8.4	43.2
Steele	M	M	M	M	M	66.4	70.4	71.8	62.9	47.2	32.6	11.4	44.4*
Tuttle	22.4	16.8	31.8	41.9	52.8	64.2	67.5	69.0	60.4	42.0	30.2	7.4	42.2
CENTRAL	22.9	18.1	32.0	42.5	54.1	65.2	68.3	69.6	61.1	44.3	30.2	9.3	43.1
Casselton Agronomy Farm	22.3	15.5	31.3	42.4	54.2	65.5	69.3	69.7	62.0	44.3	31.5	11.1	43.3
Colgate	22.5	17.5	31.9	43.1	53.7	66.0	68.1	69.8	61.6	44.8	30.4	9.6	43.3
Cooperstown	21.9	17.2	31.3	42.7	53.8	65.3	68.2	69.3	61.3	44.7	29.8	9.4	42.9
Fargo WSO AP	21.8	17.6	31.4	43.6	55.0	67.0	70.0	71.1	62.3	45.6	32.1	12.2	44.1
Hillsboro	20.7*	18.1	30.3	42.8	54.9	65.4	69.2	70.2	60.0	45.4	31.6	10.3	43.2*
Sharon	18.4	14.5	28.0	40.6	52.6	63.2	66.4	67.5	58.3	43.4	28.0	7.8	40.7
Valley City	22.2	15.4	30.1	41.6	53.6	64.8	67.7	67.4	60.1	42.8	31.0	9.5	42.2
EAST CENTRAL	21.4	16.5	30.6	42.4	54.0	65.3	68.4	69.3	60.8	44.4	30.6	10.0	42.8
Bowman (Courthouse)	24.8	22.6	32.5	42.5	51.3	64.0	69.3	70.6	62.7	43.9	34.9	12.8	44.3
Dickinson Exp. Station	24.4	20.2	32.2	41.7	50.8	62.6	66.9	68.9	60.1	40.9	30.6	8.8	42.3
Fairfield	24.8	22.6	33.5	43.3	52.3	63.8	68.9	70.8	M	43.1*	32.4	10.7	44.1*
Hettinger	24.9	21.9	33.1	42.4	51.4	64.1	69.0	70.4	63.1	44.3	34.9	12.4	44.3
Medora	27.3	27.0	36.8	45.8	55.6	66.8	72.2	73.7	65.0	47.5	36.0	14.1	47.3
Mott	24.6	21.0	33.3	42.7	53.0	64.5	69.3	71.2	62.5	44.0	35.1	12.3	44.5
Richardton (Abbey)	25.5	23.3	34.7	44.3	54.9	65.7	70.5	71.2	63.3	45.8	33.9	12.5	45.5
Trotters	25.4	23.5	34.8	44.2	53.5	64.2	70.0	71.7	63.5	45.6	33.5	12.0	45.2
SOUTHWEST	25.1	22.7	33.9	43.2	52.9	64.5	69.4	71.1	62.9	44.6	34.3	12.3	44.7
Bismarck WSFO AP	23.6	20.0	35.2	43.5	54.8	65.7	70.2	71.8	61.7	43.8	31.2	9.4	44.2
Breien	23.0	21.4	36.3	44.7	54.1	65.5	69.6	71.2	63.0	44.7	31.5	10.1	44.6
Carson	23.8	19.3	33.1	43.1	52.5	64.3	69.3	70.8	61.6	44.9	33.2	10.3	43.9
Fort Yates	27.2	24.8	37.3	47.2	57.7	69.3	73.5	73.3	65.4	48.9	36.0	15.2	48.0
Linton	22.6*	21.2*	36.3*	44.8*	54.4*	M	M	71.3*	61.8	45.6*	32.3*	15.5*	45.1*
Mandan Exp Sta	24.7	18.8	34.4	43.8	53.6	65.4	69.9	71.4	61.5	43.5	32.8	10.1	44.2
Moffit	24.6	20.9	35.5	45.5	55.7	67.1	71.1	72.6	63.4	46.1	33.5	M	45.6*
New Salem	24.4	21.5	34.7	44.9	55.2	65.3	70.9	71.8	62.7	46.0	33.0	11.0	45.1
Wilton	22.8	16.5	32.4	42.4	52.6	63.5	67.1	69.4	60.8	M	30.8	8.4	42.7*
SOUTH CENTRAL	24.1	20.6	34.7	44.3	54.3	65.6	70.2	71.5	62.5	45.2	32.7	11.2	44.7
Ashley	22.3	19.2	33.1	42.5	53.1	64.7	68.5	69.3	61.4	42.9	32.8	9.4	43.3
Ellendale	24.5	21.0	35.2	45.0	55.7	67.8	71.1	71.5	63.8	46.4	33.4	12.5	45.7
Forman	22.8	18.3	32.3	43.9	54.3	66.3	69.7	69.3	62.3	43.8	33.0	10.2	43.9
Hankinson	22.6	17.8	31.7	43.3	53.9	66.6	69.5	68.7	61.9	44.4	33.2	12.9	43.9
LaMoure	22.5	16.9	32.7	43.4	54.1	66.0	69.1	69.2	61.9	43.3	32.1	10.1	43.4
McLeod	23.4	20.3	33.5	44.3	56.1	67.6	70.6	71.1	63.5	46.4	33.7	12.5	45.3
Napoleon	22.2	17.4	31.9	42.3	52.4	64.0	68.4	69.2	60.8	42.7	31.6	8.6	42.6
Wahpeton	23.8	20.7	34.1	44.8	56.1	67.8	70.8	71.1	63.6	46.9	34.5	13.1	45.6
Wishek	22.0	17.9	31.9	41.9	52.2	63.5	67.1	68.5	60.6	42.8	31.9	9.1	42.5
SOUTHEAST	22.9	18.5	32.8	43.4	53.9	65.8	69.2	69.7	62.2	44.4	32.8	10.9	43.9
STATE	22.2	17.7	32.0	42.5	53.3	64.9	68.4	69.8	61.2	43.9	30.7	9.4	43.0

* - Partially estimated. M - Missing. T - Trace. Source: National Climatic Data Center.

WEATHER DATA

Monthly Precipitation, North Dakota, 1990

Districts and Stations	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
	Inches												
Crosby	0.24	0.02*	0.71	0.53	1.42	2.57	4.98	2.33	0.17	0.04	0.35	0.45*	13.81*
Foxholm	0.06	0.06	1.25	1.11	1.69	3.25	4.11	1.25	0.65	0.06	0.28	0.25	14.02
Kenmare	0.28	M	1.26*	1.13	2.24	3.09	3.50	2.52	0.99	0.04	0.23	0.43	15.79*
Minot Exp. Station	0.08	0.16	1.26	1.32	2.77	5.71	4.85	0.96	1.53	0.29	0.15	0.46	19.54
Mohall	0.13	0.14	1.39	1.58	1.66	3.23	3.26	0.65	0.76	0.05	0.28	0.32	13.45
Powers Lake	0.24	0.04	0.52	1.14	2.73	2.57	3.51	2.72	0.82	0.02	0.13	0.39	14.83
Wildrose	0.06	0.04	0.37	0.85	1.51	2.03	2.37	3.22	0.34	0.09	0.25	0.36	11.49
Williston WSO AP	0.36	0.04	0.44	0.61	2.08	1.77	1.32	1.73	0.31	0.10	0.14	0.40	9.30
NORTHWEST	0.19	0.08	0.78	1.01	2.34	3.00	3.57	2.03	0.65	0.08	0.20	0.38	14.31
Bottineau	0.27	0.24	1.18	0.88	2.44	4.86	3.84	2.44	1.08	0.11	0.10	0.64	18.08
Drake	T	0.04	1.09	0.93	1.92	5.18	2.82	1.67	0.98	0.53	0.07	0.17	15.40
Leeds	0.21	0.14	1.42	1.46	1.19	3.76	1.58	1.28	0.72	0.44	0.13	0.45	12.78
Rolla	0.37	0.23	1.09	1.32	2.07	4.44	2.61	1.96	1.06	0.12	0.14	0.86	16.27
Rugby	0.05	0.42	1.49	0.91	1.42	6.32	2.64	1.46	0.59	0.36	0.11	1.32*	17.09*
Towner	0.05	0.09	1.13	1.12	1.77	4.37	2.63	0.80	0.55	0.26	0.00	0.23*	13.00*
Upham	0.22	0.29	1.53	1.39	1.75	6.37	3.54	1.53	0.44	0.01	0.14	0.51	17.72
Westhope	0.07	0.33	1.38	0.80	2.02	4.08	4.94	0.57	1.09	0.05	0.17	0.49	15.99
Willow City	0.14	0.26	1.43	1.08	1.77	5.13	2.94	4.16	0.48	0.12	0.09	0.27*	17.87*
NORTH CENTRAL	0.15	0.20	1.29	1.00	1.82	5.18	3.33	1.85	0.85	0.25	0.10	0.48	16.50
Devils Lake	0.16	0.38	1.72	1.44	0.77	6.20	2.10	2.17	1.00	0.44	0.06	0.73	17.17
Edmore	0.20	0.38	1.06	1.57	0.85	4.26	1.03	1.37	0.87	0.28	0.10	0.50	12.47
Grafton	T	0.33	1.05	0.98	1.00	2.45	1.55	M	0.83	0.24	0.15	0.45	11.33*
Grand Forks FAA AP	0.22	0.32	2.27	2.18	1.01	4.06	1.74	2.29	1.83	0.35	0.03	0.56	16.86
Hansboro	0.57	0.57	2.89	1.16	1.51	3.68	2.45	2.58	1.18	0.19	0.16	1.05	17.99
Langdon Exp. Farm	0.22	0.35	1.05	1.30	0.86	5.22	2.08	1.75	0.94	0.11	0.11	0.55	14.54
Park River	0.34	0.45	1.92	1.82	1.00	2.93	1.23	2.55	1.07	0.32	0.10	0.72	14.45
Pembina	0.41	0.36	1.93	1.09	1.89	4.99	2.65	1.37	0.86	0.04	0.11	0.36	16.06
Petersburg	0.18	0.21	1.63	1.36	0.67	5.10	1.04	2.16	1.33	0.29	0.10	0.44	14.51
NORTHEAST	0.25	0.36	1.74	1.48	0.99	4.66	1.86	2.30	1.22	0.26	0.09	0.56	15.77
Beulah	T	0.10	0.10	1.36	2.95	6.88	1.85	0.21	1.77	1.09	0.07	0.63	17.01
Butte	T	0.18	1.20	0.86	2.43	4.90	3.20	1.07	1.13	0.91	0.00	0.41*	16.29*
Dunn Center	0.05	0.06	0.12	1.60	2.64	5.23	1.54	0.33	0.88	0.85	0.10	0.44*	13.84*
Garrison	T	T	0.31	0.79	2.65	6.98	5.03	0.70	1.34	0.87	0.12	0.23	19.02
Max	T	0.10	0.40	0.88	3.20	6.00	5.70	1.40	1.23	0.62	0.13	0.39*	20.05*
Washburn	0.05	0.19	0.29	0.60	1.32	7.27	1.57	0.96	1.70	0.40	T	0.45	14.80
Watford City 12 E	0.12	T	0.28	1.33	2.01	3.69	2.08	0.33	0.29	0.38	0.11	0.29	10.91
WEST CENTRAL	0.06	0.09	0.43	1.15	2.27	5.18	2.87	0.80	1.06	0.74	0.08	0.47	15.20
Carrington	0.20	0.21	1.08	0.90	1.05	6.67	1.94	1.65	1.98	0.30	0.11	0.56	16.65
Fessenden	0.14	0.10	1.08	0.93	1.31	6.97	2.09	0.97	1.55	0.22	0.07	0.29	15.72
Hurdsfield	0.10	0.08	1.25	1.13	1.86	7.27	4.53	2.29	1.81	0.20	0.02	0.56*	21.10*
Jamestown FAA AP	0.12	0.15	0.61	1.02	0.25	5.15	2.50	1.27	2.54	0.39	T	0.35	14.35
McClusky	0.06	0.07	1.35	0.61	2.19	5.27	2.89	1.88	1.79	0.49	T	0.55	17.15
Pettibone	0.26	0.13	1.08	0.81	0.60	10.72	4.41	1.43	1.83	0.24	0.07	0.37	21.95
Steele	M	M	M	M	M	8.73	2.16	2.85	1.75	0.43	0.07	0.65	20.23*
Tuttle	0.06	0.02	0.88	0.69	2.02	7.10	3.86	0.94	1.65	0.20	T	0.33	17.75
CENTRAL	0.11	0.12	1.22	0.96	1.18	7.45	2.71	1.59	1.98	0.34	0.03	0.44	18.13
Casselton Agronomy Farm	T	0.22	2.04	1.89	1.75	6.58	0.63	3.27	1.71	1.31	T	0.54*	19.94*
Colgate	0.00	0.10	1.55	1.48	0.71	5.92	1.28*	2.11	2.06	0.21	0.00	0.50	15.92*
Cooperstown	0.11	0.14	1.73	2.34	1.07	7.88	1.90	1.64	2.19	0.32	T	0.54	19.86
Fargo WSO AP	0.13	0.58	1.54	1.78	1.52	6.05	0.78	0.99	1.75	1.22	0.02	0.77	17.13
Hillsboro	0.15	0.31	1.62	1.22	0.87	5.25	1.43	2.04	1.86	0.27	0.00	0.35	15.37
Sharon	0.19	0.08*	1.64	2.11	0.63	7.81	1.87	1.68	1.74	0.31	T	0.79*	18.85*
Valley City	0.04	0.15	1.00	1.42	0.85	6.65	1.41	2.44	2.32	0.47	T	0.38	17.13
EAST CENTRAL	0.09	0.25	1.59	1.75	1.06	6.59	1.34	2.02	1.95	0.59	0.00	0.51	17.74
Bowman (Courthouse)	0.49	0.16	0.49	0.44	1.88	2.53	1.66	1.52	0.25	0.18	0.04	0.38	10.02
Dickinson Exp. Station	0.16	0.10	0.31	1.34	1.84	5.80	1.17	0.12	0.54	0.55	0.04	0.40	12.37
Fairfield	0.10	0.08	0.24	1.02	2.21	4.69	1.27	0.27	M	0.89	0.02	0.19*	11.39*
Hettinger	0.51	0.29	0.34	0.75	1.23	2.94	1.08	0.74	0.10	0.49	0.13	0.14	8.74
Medora	0.19	0.07	0.31	1.03	1.52	3.67	2.10	0.15	0.35	1.09	0.16	0.24	10.88
Mott	0.57	0.17	0.19	0.85	3.25*	3.75	1.44	1.22	0.41	0.40	0.02	0.18	12.45*
Richardton (Abbey)	0.18	0.13	0.25	1.08	1.97	4.47	0.98	0.98	0.45	0.55	0.11	0.68	11.83
Trotters	0.07	0.08	0.52	1.03	2.00	3.30	1.35	0.87	0.15	0.55	0.12	0.49	10.53
SOUTHWEST	0.33	0.14	0.31	1.03	1.51	3.83	1.43	0.68	0.41	0.60	0.06	0.33	10.66
Bismarck WSFO AP	0.26	0.23	0.55	0.31	1.65	4.73	1.53	1.37	1.25	0.29	T	0.50	12.67
Breien	0.45	0.24	T	0.06	1.70	4.33	1.53	0.79	0.85	0.00	0.00	0.45	10.40
Carson	0.43	0.17	0.14	0.22	1.79	2.42	0.84	1.07	0.63	0.55	0.02	0.49	8.77
Fort Yates	0.27	0.04	0.21	0.31	0.94	2.85	2.11	2.35	0.64	0.60	T	0.38	10.70
Linton	0.21	M	0.47	0.30*	0.87	2.80	0.64*	1.24	1.60	0.17	0.00	0.70*	9.15*
Mandan Exp Sta	0.25	0.13	0.33	0.13	2.17	5.23	1.01	1.91	1.62	0.23	T	0.36	13.37
Moffit	0.17	0.13	1.53	0.76	0.96	5.35	2.93	1.86	0.91	0.30	0.00	0.57*	15.47*
New Salem	0.30	0.16	0.51	0.37	2.02	4.47	1.11	0.91	1.01	0.26	0.01	0.76	11.89
Wilton	0.19	0.16	0.61	0.37	2.29	6.66	2.26	1.44	2.41	0.23	T	0.50	17.12
SOUTH CENTRAL	0.28	0.15	0.49	0.41	1.71	4.23	1.39	1.29	1.07	0.34	0.01	0.47	11.84
Ashley	0.17	0.12	0.35	1.20	0.94	4.24	2.15	1.55	2.54	0.76	0.01	0.21	14.24
Ellendale	0.36	0.21	1.22	2.22	1.01	5.38	2.25	5.40	3.16	1.12	T	0.66	22.99
Forman	0.14	0.44	1.68	1.45	0.59	3.75	2.32	2.17	2.31	0.82	T	0.60	16.27
Hankinson	0.28	0.42*	0.94	1.94	1.38	4.10	2.01	2.90	1.98	1.10	0.09	0.50	17.64*
LaMoure	0.31*	0.47	0.96*	1.90	0.38	4.41	2.12	2.60	2.18	1.17	0.02	0.83	17.35*
McLeod	0.05	0.39	1.64	1.39	0.26	4.41	1.03	1.13	2.65	1.01	0.00	0.33	14.29
Napoleon	0.30	0.09*	2.07	1.23	1.05	4.43	3.43	2.21	1.20	0.60	0.00	0.47	17.08*
Wahpeton	0.17	0.21	1.46	1.85	1.08	4.19	1.37	2.77	2.37	1.79	0.01	0.19	17.46
Wishek	0.18	0.20	0.30*	1.22	0.83	4.02	1.45	2.35	0.61	0.85	0.03	0.50	12.54*
SOUTHEAST	0.15	0.24	1.21	1.64	0.84	4.71	1.93	2.60	2.02	0.99	0.02	0.54	16.89
STATE	0.18	0.18	1.01	1.16	1.52	4.98	2.27	1.68	1.25	0.47	0.07	0.46	15.23

* - Partially estimated. M - Missing. T - Trace. Source: National Climatic Data Center.

WEATHER DATA

Long-Term Precipitation by Months and Stations, North Dakota, 1951-80

Districts and Stations	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
	Inches												
Crosby	.40	.39	.43	1.30	2.00	2.71	2.04	1.99	1.78	.84	.40	.43	14.71
Foxholm	.46	.40	.47	1.54	2.12	3.49	1.99	2.04	1.79	.81	.50	.45	16.06
Grenora	.43	.41	.46	1.28	2.06	2.93	2.12	1.79	1.50	.75	.43	.43	14.59
Kenmare	.53	.48	.60	1.46	2.11	3.10	1.85	1.82	1.83	.81	.41	.44	15.44
Minot Exp. Station	.58	.53	.61	1.90	2.25	3.13	2.18	2.02	1.98	.87	.59	.54	17.18
Mohall	.44	.40	.47	1.35	2.24	3.36	2.22	2.29	1.82	.96	.41	.40	16.36
Parshall	.34	.35	.42	1.39	2.24	3.66	2.16	1.98	2.01	.73	.39	.36	16.03
Powers Lake	.35	.35	.49	1.31	2.07	3.14	2.14	1.96	1.85	.82	.37	.33	15.18
Williston WSO AP	.55	.50	.57	1.29	1.85	2.68	1.83	1.42	1.37	.74	.50	.55	13.85
NORTHWEST	.47	.44	.53	1.43	2.16	3.13	2.06	1.94	1.79	.90	.45	.45	15.75
Bottineau	.47	.41	.57	1.31	2.15	3.31	2.80	2.87	1.96	.99	.48	.46	17.78
Drake	.42	.35	.66	1.47	2.18	3.39	2.71	2.12	1.86	.93	.55	.45	17.09
Granville	.45	.42	.61	1.55	2.17	3.30	1.95	2.42	1.76	.85	.44	.46	16.38
Leeds	.73	.46	.87	1.43	2.18	3.28	2.47	2.17	1.73	.88	.61	.60	17.41
Rolla	.51	.49	.66	1.20	2.25	3.44	2.82	2.92	1.97	.84	.53	.52	18.15
Rugby	.59	.43	.64	1.29	1.93	3.14	2.56	2.61	1.79	.86	.50	.50	16.84
Upham	.46	.41	.49	1.36	2.11	3.08	2.15	2.41	1.77	.88	.48	.48	16.08
Westhope	.47	.38	.52	1.19	1.96	3.04	2.13	2.31	1.86	.90	.43	.47	15.66
Willow City	.46	.38	.53	1.20	1.84	2.88	2.28	2.50	1.77	.82	.40	.43	15.49
NORTH CENTRAL	.49	.41	.61	1.33	2.11	3.19	2.49	2.51	1.82	.89	.48	.48	16.81
Devils Lake	.55	.45	.76	1.00	2.18	3.32	2.21	2.11	1.88	.88	.63	.55	16.52
Edmore	.45	.30	.48	1.18	2.20	2.95	2.80	2.54	1.88	1.04	.41	.33	16.56
Grafton	.59	.44	.74	1.52	2.19	3.25	2.54	2.56	2.06	1.08	.66	.53	18.16
Grand Forks FAA AP	.76	.51	.77	1.34	1.95	2.89	2.86	2.62	2.04	1.11	.80	.64	18.29
Hannah	.44	.43	.54	1.13	2.27	3.05	2.68	2.91	2.01	1.01	.56	.45	17.48
Langdon Exp. Farm	.59	.42	.72	1.33	2.44	2.97	2.99	3.01	1.97	1.12	.65	.51	18.72
Park River	.52	.36	.66	1.70	2.32	3.40	2.66	2.45	2.02	1.09	.58	.49	18.25
Pembina	.50	.41	.69	1.33	2.42	2.86	2.90	2.65	2.19	1.09	.55	.51	18.10
Petersburg	.59	.36	.78	1.34	2.19	3.34	2.73	2.54	2.06	1.08	.72	.45	18.18
NORTHEAST	.55	.41	.71	1.33	2.24	3.13	2.77	2.65	2.05	1.06	.62	.51	18.03
Butte	.42	.39	.54	1.41	1.96	3.17	2.32	1.96	1.78	.78	.43	.39	15.55
Center	.51	.54	.75	1.64	2.45	3.34	2.64	1.99	1.73	.91	.65	.59	17.74
Dunn Center	.40	.48	.60	1.60	2.35	3.69	2.17	2.05	1.65	.87	.51	.39	16.76
Garrison	.41	.48	.57	1.40	1.89	3.17	2.01	1.78	1.60	.68	.42	.46	14.87
Max	.44	.54	.65	1.70	2.17	3.77	2.44	2.18	1.74	.83	.57	.47	17.50
Turtle Lake	.61	.50	.69	1.64	2.11	3.70	2.31	2.08	1.76	.86	.50	.56	17.32
Wilton	.47	.39	.59	1.55	2.59	3.93	2.66	2.08	1.65	.93	.42	.41	17.67
WEST CENTRAL	.45	.44	.56	1.52	2.26	3.53	2.34	1.91	1.70	.81	.49	.45	16.46
Carrington	.61	.50	.75	1.59	2.49	3.77	2.54	2.12	1.69	.98	.63	.51	18.18
Fessenden	.61	.54	.74	1.48	2.49	3.49	2.50	2.24	1.76	1.00	.56	.57	17.98
Jamestown FAA Airport	.60	.58	.79	1.52	2.32	3.59	3.02	2.12	1.61	.94	.52	.51	18.12
McClusky	.55	.46	.67	1.61	2.16	3.99	2.35	2.03	1.64	.86	.52	.57	17.41
Pettibone	.41	.35	.59	1.48	2.37	3.44	2.52	2.03	1.72	.96	.44	.38	16.69
Tuttle	.46	.35	.62	1.48	2.65	3.70	2.30	1.91	1.77	.79	.42	.38	16.83
CENTRAL	.49	.43	.64	1.51	2.38	3.62	2.63	2.15	1.72	.96	.51	.46	17.50
Colgate	.40	.27	.60	1.50	2.26	3.24	2.64	2.64	2.00	1.12	.51	.40	17.58
Cooperstown	.51	.37	.70	1.48	2.37	3.57	3.05	2.60	2.23	1.15	.71	.54	19.28
Fargo WSO AP	.55	.42	.83	1.90	2.24	3.06	3.34	2.67	1.87	1.29	.79	.63	19.59
Hillsboro	.43	.39	.75	1.71	2.21	3.73	3.22	2.68	2.16	1.36	.65	.53	19.82
Mayville	.65	.50	.82	1.54	2.24	3.46	2.48	2.57	2.12	1.25	.68	.65	18.96
Sharon	.55	.42	.83	1.64	2.54	3.43	2.93	2.55	2.40	1.17	.71	.52	19.69
Valley City	.49	.44	.71	1.61	2.35	3.52	2.74	2.36	1.95	1.07	.64	.55	18.43
EAST CENTRAL	.51	.40	.76	1.69	2.37	3.48	2.94	2.58	2.10	1.23	.68	.55	19.29
Amidon	.37	.37	.54	1.53	2.54	3.85	2.23	1.49	1.41	.74	.42	.39	15.88
Bowman (Courthouse)	.33	.42	.52	1.47	2.43	3.68	2.11	1.63	1.41	.76	.42	.35	15.53
Dickinson Exp. Station	.34	.40	.57	1.73	2.53	3.69	2.08	1.86	1.51	.85	.45	.34	16.35
Fairfield	.34	.35	.48	1.44	2.45	3.60	1.99	1.84	1.64	.77	.46	.31	15.67
Hettinger	.31	.33	.49	1.68	2.76	3.64	2.04	1.77	1.43	.85	.42	.27	15.99
Medora	.43	.42	.57	1.41	2.40	3.53	1.96	1.45	1.42	.75	.50	.38	15.22
Mott	.39	.40	.57	1.65	2.55	3.80	1.99	1.80	1.42	.70	.46	.36	16.09
Richardton (Abbey)	.47	.54	.76	1.81	2.77	3.78	2.35	1.81	1.55	.81	.56	.45	17.66
SOUTHWEST	.39	.43	.58	1.54	2.48	3.62	2.09	1.69	1.46	.84	.48	.38	15.98
Bismarck WSFO AP	.51	.45	.70	1.51	2.23	3.01	2.05	1.69	1.38	.81	.51	.51	15.36
Carson	.33	.40	.60	1.85	2.68	3.62	2.39	1.89	1.38	.84	.43	.36	16.77
Fort Yates	.33	.36	.58	1.55	2.32	2.80	1.73	1.61	1.33	.83	.34	.33	14.11
Linton	.51	.45	.79	1.85	2.57	3.56	2.33	1.67	1.53	.91	.55	.53	17.25
New Salem	.47	.48	.72	1.70	2.34	3.62	2.20	2.18	1.48	.84	.52	.47	17.02
Shields	.33	.34	.66	1.70	2.39	3.16	2.05	1.94	1.32	.83	.43	.31	15.46
SOUTH CENTRAL	.41	.40	.61	1.64	2.46	3.47	2.18	1.89	1.46	.83	.46	.40	16.21
Ashley	.37	.38	.70	1.51	2.69	3.61	2.51	2.24	1.54	.95	.41	.36	17.27
Ellendale	.45	.52	.69	2.14	3.04	4.01	2.50	2.28	1.89	1.14	.57	.43	19.66
Forman	.55	.51	.87	2.03	2.76	3.78	2.77	2.59	1.82	1.06	.74	.49	19.97
Fullerton	.62	.68	.96	2.29	2.95	3.86	2.54	2.56	1.88	1.20	.76	.53	20.83
Hankinson	.55	.57	.78	2.05	2.62	4.03	2.74	2.59	1.96	1.19	.71	.57	20.36
Lisbon	.47	.47	.77	1.98	2.60	3.71	2.77	2.98	1.83	1.19	.69	.59	20.05
McLeod	.46	.42	.73	1.54	2.40	3.44	3.00	3.01	1.82	1.17	.77	.49	19.25
Napoleon	.45	.39	.76	1.55	2.57	3.19	2.83	2.06	1.73	.93	.53	.43	17.42
Wahpeton	.62	.47	.79	2.14	2.88	4.09	3.21	2.88	2.00	1.25	.77	.62	21.72
Wishek	.46	.46	.78	1.73	2.64	3.53	2.62	2.14	1.48	.88	.44	.45	17.60
SOUTHEAST	.48	.49	.79	1.93	2.70	3.75	2.74	2.52	1.83	1.11	.62	.48	19.44
STATE	.47	.43	.64	1.55	2.35	3.44	2.47	2.20	1.77	.96	.53	.46	17.27

Source: National Climatic Data Center.

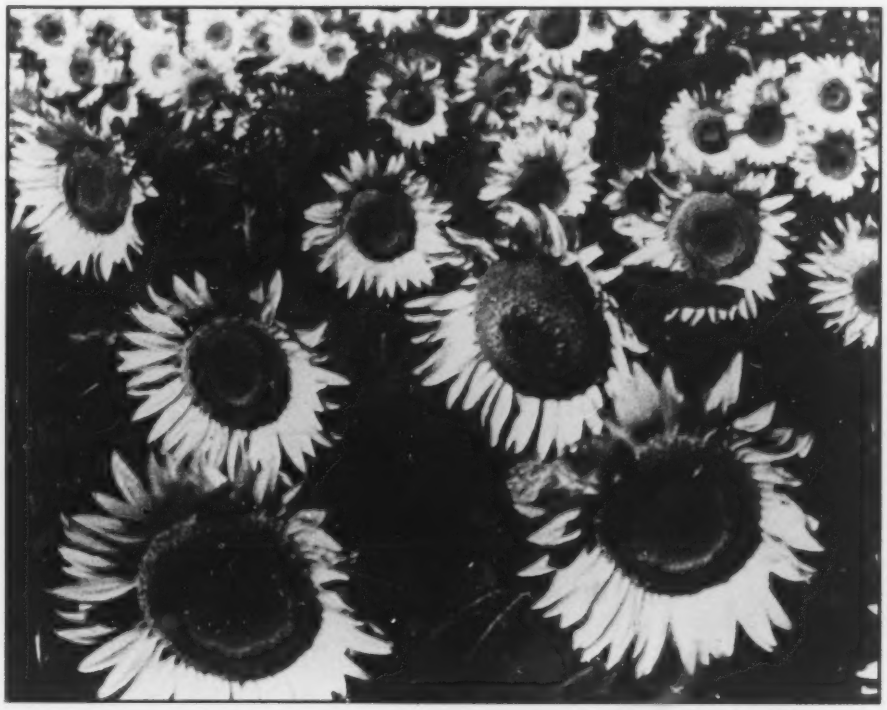
WEATHER DATA

Long-Term Mean Temperatures by Months and Stations
North Dakota, 1951-80

Districts and Stations	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
	---------- Degrees Fahrenheit ----------												
Crosby	5.0	12.8	23.6	40.8	53.9	62.9	68.7	66.9	56.1	44.7	26.5	13.5	39.6
Foxholm	6.0	13.4	24.1	41.2	54.4	63.5	69.2	67.5	56.8	46.0	28.1	14.5	40.4
Grenora	6.2	14.3	24.8	41.2	53.9	62.9	68.8	67.1	56.2	45.3	27.3	14.7	40.2
Kenmare	4.1	11.4	21.8	39.1	52.7	62.1	68.0	65.8	54.6	43.6	26.3	13.2	38.6
Minot Exp. Station	4.5	11.6	22.5	40.2	53.5	63.0	68.6	66.9	55.7	44.5	26.6	13.3	39.2
Mohall	2.7	10.3	21.8	40.1	53.1	62.6	68.0	66.1	55.0	43.7	26.1	12.0	38.5
Parshall	5.8	13.2	24.4	41.1	53.9	63.0	68.9	67.2	56.2	45.1	27.2	14.3	40.0
Powers Lake	2.4	10.1	20.7	38.3	51.4	60.8	66.6	65.0	53.8	42.5	24.6	11.7	37.3
Williston WSO AP	6.6	14.6	25.3	41.8	54.5	63.8	70.0	68.1	56.6	45.1	27.6	14.9	40.8
NORTHWEST	5.1	12.3	23.0	40.3	53.3	62.5	68.4	66.5	55.4	44.4	26.5	13.5	39.3
Bottineau	-.2	7.4	19.3	38.9	52.7	62.1	67.4	65.7	54.2	42.9	23.9	9.0	36.9
Drake	3.7	10.6	21.9	40.0	53.7	63.2	69.0	67.2	55.8	44.8	26.5	12.7	39.1
Granville	4.6	12.3	23.6	41.3	54.3	63.5	69.4	67.7	56.7	45.6	27.6	13.3	40.0
Leeds	2.1	9.4	21.4	40.2	53.6	63.4	68.4	66.4	55.4	44.2	25.9	10.9	38.4
Rolla	1.8	9.2	20.1	38.2	52.0	61.4	66.7	64.8	53.7	43.1	24.7	10.2	37.2
Rugby	3.9	11.2	23.0	41.7	55.4	65.0	70.2	68.4	57.1	46.0	27.2	12.6	40.1
Upham	1.5	9.1	21.0	40.4	53.9	63.2	68.4	66.4	55.2	43.8	25.5	10.4	38.2
Westhope	1.5	9.2	21.2	40.2	53.8	62.8	67.8	66.1	55.0	43.9	25.0	10.4	38.1
Willow City	.0	7.5	19.7	39.3	52.7	62.3	67.5	65.2	54.0	42.8	24.4	9.2	37.1
NORTH CENTRAL	2.7	9.9	21.5	40.0	53.6	62.9	68.2	66.3	55.2	44.2	25.8	11.2	38.5
Devils Lake	2.3	9.7	21.7	40.0	53.9	63.6	69.1	67.1	56.0	44.8	26.4	11.2	38.8
Edmore	.2	7.6	20.0	39.0	52.6	62.0	67.0	65.3	54.5	43.1	24.5	9.2	37.1
Grafton	2.2	9.5	22.3	41.2	55.4	64.5	69.3	67.8	57.4	46.0	26.9	10.7	39.4
Grand Forks FAA AP	2.2	9.3	22.1	40.7	54.4	63.9	68.8	66.9	56.2	44.9	26.5	11.1	38.9
Hannah	-1.1	6.0	18.1	37.6	52.0	61.6	66.0	64.0	53.7	42.7	23.6	7.8	36.0
Langdon Exp. Farm	-.5	7.0	19.2	38.3	52.4	61.7	66.4	64.8	54.3	43.1	24.0	8.3	36.6
Park River	3.8	11.0	23.2	41.4	55.5	65.0	70.2	68.4	58.1	46.8	27.8	12.2	40.3
Pembina	-.9	6.2	19.4	39.6	53.8	63.4	68.3	66.1	55.9	44.6	25.5	8.9	37.6
Petersburg	1.3	8.1	20.3	38.8	52.9	62.4	67.4	65.5	54.5	43.4	25.0	9.7	37.4
NORTHEAST	1.4	8.7	21.1	39.8	53.8	63.3	68.2	66.3	55.7	44.5	25.8	10.2	38.2
Butte	5.8	12.7	23.7	41.2	54.6	64.2	70.0	68.4	57.0	45.8	27.6	14.2	40.4
Center	7.4	14.7	25.2	41.4	54.2	63.4	69.2	67.7	56.4	45.6	28.4	15.8	40.8
Dunn Center	7.4	14.6	23.9	40.2	53.2	62.6	69.0	67.7	56.3	45.2	28.1	15.9	40.3
Garrison	5.3	12.2	23.0	40.3	53.2	62.7	68.9	67.5	56.0	44.8	27.3	14.4	39.6
Max	4.2	11.1	22.0	39.7	52.9	62.5	68.4	66.4	55.0	43.7	26.0	12.8	38.7
Turtle Lake	6.3	13.6	24.8	41.9	55.0	64.4	70.3	68.8	57.5	46.2	28.0	14.8	41.0
Washburn	7.8	15.6	26.3	42.9	55.5	65.0	70.9	69.4	58.2	47.0	29.5	16.2	42.0
WEST CENTRAL	6.9	14.2	24.7	41.3	54.2	63.5	69.6	68.1	56.8	45.6	28.2	15.5	40.7
Carrington	3.9	10.6	21.9	39.4	52.9	62.6	68.1	66.2	55.2	44.5	26.6	12.4	38.7
Fessenden	5.4	12.6	24.4	41.9	55.1	64.4	69.9	68.3	57.6	46.3	28.0	13.8	40.6
Jamestown FAA Airport	5.4	12.6	24.3	41.4	54.3	64.2	69.9	68.2	56.9	45.6	27.7	13.7	40.4
McClusky	5.5	12.7	24.1	41.3	54.8	64.3	70.3	68.7	57.3	45.6	27.4	13.8	40.5
Pettibone	4.3	11.5	23.4	41.2	54.0	63.6	69.6	68.1	57.0	45.3	27.8	13.0	39.9
Steele	6.5	13.9	25.2	42.4	55.4	64.4	70.1	68.6	57.9	46.7	28.6	14.8	41.2
CENTRAL	5.3	12.1	23.8	41.2	54.4	63.9	69.5	67.9	56.8	45.6	27.5	13.4	40.1
Amenia	5.0	12.4	25.5	43.1	56.5	65.6	70.6	69.2	59.0	47.5	29.0	13.2	41.4
Cooperstown	4.0	11.3	24.0	41.7	55.2	64.5	69.9	68.3	57.5	46.2	27.5	12.5	40.2
Fargo WSO AP	4.3	11.0	24.0	42.1	55.6	65.2	70.6	68.8	57.8	46.3	28.2	12.7	40.5
Hillsboro	4.7	11.7	24.3	42.5	56.3	65.7	70.9	69.0	58.7	47.2	28.6	13.1	41.1
Mayville	4.3	11.3	24.1	42.2	55.8	65.2	70.2	68.6	58.0	46.8	28.2	13.0	40.6
Sharon	2.8	10.2	22.5	40.5	54.1	63.3	68.3	67.1	56.4	45.3	26.3	11.2	39.0
Valley City	4.9	12.2	24.2	41.4	55.0	64.1	69.4	67.5	56.6	45.6	27.8	13.1	40.2
EAST CENTRAL	4.7	11.5	24.1	41.9	55.5	64.8	70.0	68.4	57.7	46.4	27.9	12.7	40.5
Amidon	12.1	18.8	27.0	41.0	53.0	62.4	69.4	68.4	57.0	46.1	30.0	19.6	42.1
Bowman (Courthouse)	12.7	19.1	27.7	41.6	53.6	62.9	69.9	68.4	57.1	46.1	30.0	19.9	42.4
Dickinson Exp. Station	9.3	16.2	25.4	40.5	53.0	62.2	68.6	67.4	55.9	45.0	28.3	17.1	40.7
Hettinger	12.6	19.4	27.8	42.3	54.0	63.5	70.2	68.8	57.2	46.4	30.0	19.5	42.6
Medora	12.0	19.8	28.8	42.9	55.0	64.2	70.6	69.2	57.7	46.2	30.1	19.1	43.0
Mott	10.7	18.1	27.2	41.7	53.8	63.0	69.1	67.6	56.5	45.6	28.8	17.9	41.7
Richardton (Abbey)	10.7	17.9	27.2	42.3	54.8	63.9	70.2	69.0	57.9	46.8	29.8	18.5	42.4
SOUTHWEST	11.2	18.3	27.0	41.6	53.7	63.0	69.6	68.2	56.9	45.8	29.3	18.6	41.9
Bismarck WSFO AP	6.7	14.5	26.0	42.5	54.9	64.3	70.4	68.8	57.3	46.1	28.6	15.4	41.3
Carson	8.1	15.4	25.1	41.0	53.9	63.1	69.7	68.2	56.8	45.5	28.5	16.2	41.0
Fort Yates	10.3	17.4	27.6	43.7	56.4	66.0	72.5	70.8	59.8	48.5	31.4	18.6	43.6
Linton	7.9	15.7	27.3	44.0	56.6	65.9	72.2	70.8	59.3	47.5	29.5	16.0	42.7
Mandan Exp. Station	6.7	13.7	25.0	41.6	54.5	64.0	70.1	68.7	57.2	46.1	28.7	15.4	41.0
New Salem	8.0	15.4	25.5	41.4	54.2	63.5	69.9	68.4	57.3	45.9	28.5	16.2	41.2
SOUTH CENTRAL	8.6	15.6	26.2	42.4	55.0	64.4	70.7	69.2	57.9	46.6	29.3	16.5	41.9
Ashley	7.1	13.8	24.9	41.8	54.2	63.8	69.6	68.2	57.5	46.4	28.6	15.2	40.9
Ellendale	8.2	15.4	27.2	43.8	56.3	65.7	71.4	70.1	59.4	47.8	30.0	16.2	42.6
Forman	6.2	13.6	26.0	43.2	56.2	65.8	71.4	69.8	58.6	47.1	29.6	14.7	41.9
Fullerton	7.2	14.7	26.7	43.6	56.3	65.7	71.3	69.8	58.9	47.5	29.6	15.4	42.2
Hankinson	6.4	12.5	24.5	42.0	55.6	65.5	71.1	69.0	57.8	46.8	29.7	14.9	41.3
Lisbon	7.0	13.8	26.3	43.4	56.1	65.4	70.6	69.0	58.5	47.6	29.8	14.8	41.9
McLeod	6.0	13.1	25.9	43.5	56.7	66.0	71.3	69.6	59.1	47.8	29.4	14.4	41.9
Napoleon	6.1	13.0	24.2	41.6	54.6	64.2	70.2	68.7	57.3	46.0	28.1	14.4	40.7
Wahpeton	6.9	13.7	26.3	44.1	57.6	67.0	72.0	70.1	59.7	48.6	30.5	15.4	42.7
Wishek	4.9	11.4	22.8	40.0	53.0	62.7	68.6	66.8	55.8	44.5	27.0	13.7	39.3
SOUTHEAST	6.6	13.3	25.3	42.5	55.5	65.0	70.7	69.0	58.1	46.8	29.0	14.7	41.4
STATE	5.8	12.9	24.1	41.2	54.3	63.7	69.4	67.8	56.7	45.5	27.7	14.0	40.3

Source: National Climatic Data Center.

CROPS



ACREAGE, YIELD & PRODUCTION
STOCKS
VALUES
VARIETIES

NORTH DAKOTA CROP SUMMARY, 1990

THE SEASON IN REVIEW

The 1990 fieldwork and planting season started ahead of average due to dry conditions in April, while precipitation in May held completion of planting to near average. Most of the state's crops were harvested ahead of average as dry conditions prevailed. Good moisture during early summer promoted above average small grain yields while drier conditions during late summer held late season crop yields to slightly below average.

Average date for beginning fieldwork was April 15, two days ahead of the 1980-89 average starting date. A warm, generally dry spring allowed farmers to complete small grain planting by June 1 and late season crops by June 10, both slightly ahead of the 5-year (1985-89) average. Increased precipitation during June promoted crop conditions, but the lack of hot temperatures slowed June development to slightly behind average.

Condition of small grains was mostly good during June and decreased slightly during July as precipitation was light and scattered. Early season topsoil moisture supplies were mostly adequate, but declined to mostly short after mid-July. Subsoil moisture was short throughout the season, a continuation of two consecutive years of drought. Harvest conditions were favorable during August with above average yields as a result of adequate moisture in June. Small grain harvest was essentially complete by mid-September, ahead of average but behind 1989's drought induced early harvest. Late season crops were in mostly good condition through July, but development lagged due to below normal temperatures. Hot, dry weather during August and September reduced both crop conditions and yield potential. All crops were essentially harvested by November 1, ahead of average but behind 1989's early harvest.

ACREAGE & PRODUCTION SUMMARY

Total planted acreage of estimated crops in 1990, including hay harvested, was 22.2 million acres, up 1 percent from 22.0 million during 1989. The increase was partly due to a decrease in the farm program acreage set-aside. Total crop output during 1990 increased 42 percent from 1989 to a record high, just slightly above the previous high set in 1985. Record high wheat production was the main contributor to the large total crop output.

Average yields per acre of all crops except sugarbeets increased from 1989. Small grains, non-oil sunflower and flaxseed yields were above the 5-year average. Timely rains in June promoted above average yields for the early season crops while dry conditions mid-July through August contributed to below average yields for late season crops.

Total cropland harvested in 1990 increased 3 percent from the 1989 harvest and up 31 percent from the 1988 drought-reduced harvest. All wheat, flaxseed, edible beans, sunflower, sugarbeets and potatoes all had increased harvested acres due mainly to increased plantings. All other crops had fewer harvested acres due mainly to decreased plantings as abandonment was near average.

INDEX OF CROP PRODUCTION - NORTH DAKOTA

1981-90 (1967=100)

Year	Grains			Oil Crops	Misc. 1/	Hay	All Crops
	Food	Feed	All				
1981	179	131	165	406	308	104	184
1982	178	133	164	497	244	119	188
1983	107	140	117	388	223	108	143
1984	156	173	162	433	247	108	180
1985	177	193	182	351	276	91	189
1986	161	191	170	359	319	128	188
1987	148	160	152	360	350	112	175
1988	57	56	56	206	242	47	79
1989	132	112	126	201	256	73	134
1990	210	142	190	227	333	90	190

1/ Non-oil sunflower, potatoes, sugarbeets, dry edible beans.

PRINCIPAL CROPS

NORTH DAKOTA, 1989-90

Crop	Acreage Planted		Acreage Harvested		Yield per Acre		Unit	Production	
	1989	1990	1989	1990	1989	1990		1989	1990
	(000)	(000)	(000)	(000)				(000)	(000)
Corn, Grain			465	460	75.0	80.0	Bu.	34,875	36,800
Silage			340	360	3.7	4.0	Tons	1,258	1,440
All	880	850							
Wheat, Durum	3,100	3,100	3,000	3,050	22.0	34.0	Bu.	66,000	103,700
Spring 1/	7,600	8,000	7,250	7,700	24.0	36.0	Bu.	174,000	277,200
Winter	100	250	80	160	29.0	27.0	Bu.	2,320	4,320
All	10,800	11,350	10,330	10,910	23.5	35.3	Bu.	242,320	385,220
Oats	1,150	1,000	650	600	31.0	51.0	Bu.	20,150	30,600
Barley	2,800	2,600	2,650	2,450	37.0	53.0	Bu.	98,050	129,850
Rye	45	35	38	26	28.0	30.0	Bu.	1,064	780
Flaxseed	170	220	140	215	7.0	14.5	Bu.	980	3,118
Soybeans	640	500	630	495	22.0	26.0	Bu.	13,860	12,870
Beans, Dry Edible	500	570	410	550	6.00	9.10	Cwt.	2,460	5,005
Sunflower, Oil	980	980	960	940	9.70	11.40	Cwt.	9,312	10,716
Non-Oil	340	390	330	385	9.20	12.20	Cwt.	3,036	4,697
All	1,320	1,370	1,290	1,325	9.57	11.63	Cwt.	12,348	15,413
Sugarbeets	180.2	193.9	180.1	193.2	15.7	14.4	Tons	2,828	2,782
Potatoes, Fall	140	150	137	145	110	115	Cwt.	15,070	16,675
Hay, Alfalfa			1,500	1,400	1.00	1.10	Tons	1,500	1,540
All Other			1,900	2,100	.80	1.05	Tons	1,520	2,205
All			3,400	3,500	.89	1.07	Tons	3,020	3,745
Total Acres 2/	21,998	22,240	20,660	21,229					

UNITED STATES

Crop	Acreage Planted		Acreage Harvested		Yield per Acre		Unit	Production	
	1989	1990	1989	1990	1989	1990		1989	1990
	(000)	(000)	(000)	(000)				(000)	(000)
Corn, Grain			84,703	66,952	116.3	118.5	Bu.	7,525,493	7,933,068
Silage			6,606	6,124	13.0	14.2	Tons	86,109	86,844
All	72,221	74,171							
Wheat, Durum	3,791	3,565	3,673	3,502	25.1	34.9	Bu.	92,229	122,171
Spring 1/	17,733	16,723	17,007	15,875	28.8	36.7	Bu.	489,747	583,124
Winter	55,091	56,998	41,509	49,976	35.0	40.7	Bu.	1,454,642	2,033,299
All	76,615	77,286	62,189	69,353	32.7	39.5	Bu.	2,036,618	2,738,594
Oats	12,085	10,423	6,882	5,940	54.3	60.1	Bu.	373,587	357,149
Barley	9,125	8,201	8,313	7,499	48.6	55.9	Bu.	404,203	418,856
Rye	2,014	1,625	484	373	28.2	27.1	Bu.	13,647	10,098
Flaxseed	195	260	163	253	7.5	15.1	Bu.	1,215	3,812
Soybeans	60,820	57,795	59,538	56,502	32.3	34.0	Bu.	1,923,666	1,921,787
Beans, Dry Edible	1,824.6	2,178.6	1,650.9	2,086.4	14.37	15.54	Cwt.	23,729	32,429
Sunflower, Oil	1,411	1,390	1,373	1,343	9.88	12.05	Cwt.	13,563	16,185
Non-Oil	429	515	413	508	9.77	112.91	Cwt.	4,035	6,560
All	1,840	1,905	1,786	1,851	9.85	12.29	Cwt.	17,598	22,744
Sugarbeets	1,324.4	1,400.4	1,294.5	1,377.5	19.4	20.0	Tons	25,131	27,593
Potatoes, Fall	1,102.4	1,175.0	1,086.0	1,154.5	299	298	Cwt.	324,673	344,317
Hay, Alfalfa			25,944	25,401	2.98	3.29	Tons	77,370	83,553
All Other			37,356	36,156	1.82	1.75	Tons	68,142	63,430
All			63,300	61,557	2.30	2.39	Tons	145,512	146,985
Total Acres 2/	287,354	289,703	277,995	281,022					

1/ Spring Wheat other than Durum. 2/ Planted acres include harvested for winter wheat, rye and hay.

PRINCIPAL CROPS, RECORD HIGHS & LOWS, NORTH DAKOTA

ITEM		UNIT	RECORD HIGH		RECORD LOW		YEAR RECORDS STARTED
			QUANTITY	YEAR 1/	QUANTITY	YEAR 1/	
DURUM WHEAT	Planted	Acres	5,051,000	1928	797,000	1958	1926
	Harvested	Acres	5,000,000	1928	770,000	1958	1919
	Yield	Bu.	35.5	1985	3.5	1954	1919
	Production	Bu.	127,890,000	1981	4,235,000	1954	1919
OTHER SPRING WHEAT	Planted	Acres	8,994,000	1933	3,812,000	1962	1926
	Harvested	Acres	8,370,000	1951	2,438,000	1936	1919
	Yield	Bu.	37.0	1985	5.2	1936	1919
	Production	Bu.	277,200,000	1990	12,678,000	1936	1919
WINTER WHEAT	Planted	Acres	750,000	1985	25,000	1966	1964
	Harvested	Acres	550,000	1984	24,000	1966	1964
	Yield	Bu.	40.0	1984	13.0	1988	1964
	Production	Bu.	22,000,000	1984	600,000	1966	1964
ALL WHEAT	Planted	Acres	11,930,000	1976	5,715,000	1962	1916
	Harvested	Acres	11,655,000	1976	85,000	1879	1879
	Yield	Bu.	36.4	1985	4.5	1900	1879
	Production	Bu.	385,220,000	1990	1,742,000	1879	1879
BARLEY	Planted	Acres	4,147,000	1959	1,608,000	1938	1926
	Harvested	Acres	3,918,000	1958	15,000	1882	1882
	Yield	Bu.	55.0	1985	5.0	1910	1882
	Production	Bu.	184,250,000	1985	382,000	1882	1882
OATS	Planted	Acres	2,985,000	1970	1,000,000	1990	1926
	Harvested	Acres	2,870,000	1917	57,000	1882	1882
	Yield	Bu.	56.5	1969	8.0	1910	1882
	Production	Bu.	153,624,000	1969	1,852,000	1882	1882
RYE	Planted	Acres	2,310,000	1919	35,000	1990	1919
	Harvested	Acres	2,100,000	1919	1,000	1888	1882
	Yield	Bu.	36.0	1984	4.5	1936	1882
	Production	Bu.	31,266,000	1922	10,000	1888	1882
FLAXSEED	Planted	Acres	3,649,000	1957	170,000	1989	1920
	Harvested	Acres	3,500,000	1956	35,000	1892	1889
	Yield	Bu.	17.5	1986	2.7	1936	1889
	Production	Bu.	28,700,000	1956	228,000	1889	1889
SUNFLOWER	Planted	Acres	3,460,000	1979	13,000	1962	1962
	Harvested	Acres	3,378,000	1979	12,500	1962	1962
	Yield	Lbs.	1,510	1987	600	1964	1962
	Production	Lbs.	4,584,600,000	1979	10,800,000	1964	1962
DRY BEANS	Planted	Acres	570,000	1990	21,000	1966	1964
	Harvested	Acres	550,000	1990	20,000	1966	1964
	Yield	Cwt.	15.5	1986	6.0	1989	1964
	Production	Cwt.	5,026,000	1987	165,000	1964	1964
ALL CORN	Planted	Acres	1,671,000	1934	495,000	1972	1929
	Harvested	Acres	1,530,000	1933	12,000	1892	1889
GRAIN CORN	Harvested	Acres	630,000	1984	17,000	1934	1924
	Yield	Bu.	93.0	1987	8.4	1934	1924
	Production	Bu.	49,290,000	1986	143,000	1934	1924
SOYBEANS	Planted	Acres	750,000	1988	7,000	1945	1942
	Harvested	Acres	740,000	1984	4,000	1944	1942
	Yield	Bu.	35.0	1986	10.0	1947	1942
	Production	Bu.	17,020,000	1984	40,000	1942	1942
POTATOES	Planted	Acres	191,000	1943	73,000	1951	1929
	Harvested	Acres	198,000	1922	2,000	1882	1882
	Yield	Cwt.	185	1987	20	1890	1882
	Production	Cwt.	24,050,000	1987	196,000	1882	1882
SUGARBEETS	Planted	Acres	193,900	1990	2,900	1924	1924
	Harvested	Acres	193,200	1990	2,600	1924	1924
	Yield	Ton	19.7	1978	4.9	1934	1924
	Production	Ton	3,161,000	1987	24,500	1924	1924
ALL HAY	Harvested	Acres	4,337,000	1961	2,102,000	1934	1909
	Yield	Ton	1.83	1978	.41	1934	1909
	Production	Ton	6,285,000	1978	871,000	1934	1909

1/ In case of a tie, the most recent year was used.

HISTORIC ESTIMATES, PRINCIPAL CROPS, NORTH DAKOTA, 1981-1990

Crop	Year	Acreage		Unit	Production		Marketing Year Avg. Price	Value of Production	Value Per Harvested Acre
		Planted	Harvested		Yield Per Acre	Total			
		(000)				(000)	($/Unit)	(000 Dols.)	Dols.
All Wheat	1981	11,825	11,570	Bu.	28.4	328,260	3.58	1,174,305	101.50
	1982	10,525	10,300	Bu.	31.5	324,835	3.48	1,129,246	109.64
	1983	7,370	7,205	Bu.	26.9	194,130	3.78	733,097	101.75
	1984	8,820	8,660	Bu.	32.8	284,190	3.57	1,013,346	117.01
	1985	9,350	8,870	Bu.	36.4	323,255	3.26	1,053,977	118.82
	1986	9,620	9,380	Bu.	31.2	292,320	2.54	742,835	79.19
	1987	9,300	9,135	Bu.	29.5	269,120	2.95	794,146	86.93
	1988	9,250	7,230	Bu.	14.3	103,390	4.02	415,925	57.53
	1989	10,800	10,330	Bu.	23.5	242,320	3.45	836,054	80.93
	1990	11,350	10,910	Bu.	35.3	385,220	2.47	952,863	87.34
Spring Wheat (Other than Durum)	1981	7,200	7,050	Bu.	28.0	197,400	3.63	716,562	101.64
	1982	6,850	6,750	Bu.	31.0	209,250	3.51	734,468	108.81
	1983	5,100	5,000	Bu.	27.0	135,000	3.71	500,850	100.17
	1984	5,450	5,400	Bu.	34.0	183,600	3.53	648,108	120.02
	1985	5,850	5,730	Bu.	37.0	212,010	3.34	708,113	123.58
	1986	6,500	6,400	Bu.	31.0	198,400	2.52	499,968	78.12
	1987	6,200	6,100	Bu.	31.0	189,100	2.80	529,480	86.80
	1988	6,200	4,700	Bu.	15.0	70,500	3.78	266,490	56.70
	1989	7,600	7,250	Bu.	24.0	174,000	3.50	609,000	84.00
	1990	8,000	7,700	Bu.	36.0	277,200	2.45	679,140	88.20
Durum Wheat	1981	4,500	4,410	Bu.	29.0	127,890	3.50	447,615	101.50
	1982	3,500	3,410	Bu.	32.5	110,825	3.42	379,022	111.15
	1983	2,090	2,050	Bu.	26.5	54,325	3.97	215,670	105.20
	1984	2,750	2,710	Bu.	29.0	78,590	3.76	295,498	109.04
	1985	2,750	2,690	Bu.	35.5	95,495	3.16	301,764	112.18
	1986	2,600	2,500	Bu.	32.0	80,000	2.66	212,800	85.12
	1987	2,900	2,850	Bu.	26.0	74,100	3.38	250,458	87.88
	1988	2,800	2,400	Bu.	13.0	31,200	4.60	143,520	59.80
	1989	3,100	3,000	Bu.	22.0	66,000	3.32	219,120	73.04
	1990	3,100	3,050	Bu.	34.0	103,700	2.55	264,435	86.70
Winter Wheat	1981	125	110	Bu.	27.0	2,970	3.41	10,128	92.07
	1982	175	140	Bu.	34.0	4,760	3.31	15,756	112.54
	1983	180	155	Bu.	31.0	4,805	3.45	16,577	106.95
	1984	620	550	Bu.	40.0	22,000	3.17	69,740	126.80
	1985	750	450	Bu.	35.0	15,750	2.80	44,100	98.00
	1986	520	480	Bu.	29.0	13,920	2.16	30,067	62.64
	1987	200	185	Bu.	32.0	5,920	2.40	14,208	76.80
	1988	250	130	Bu.	13.0	1,690	3.50	5,915	45.50
	1989	100	80	Bu.	29.0	2,320	3.42	7,934	99.18
	1990	250	160	Bu.	27.0	4,320	2.15	9,288	58.05
Oats	1981	1,200	960	Bu.	46.0	44,160	1.65	72,864	75.90
	1982	1,200	1,050	Bu.	53.0	55,650	1.19	66,224	63.07
	1983	1,500	1,260	Bu.	50.5	63,630	1.37	87,173	69.18
	1984	1,150	980	Bu.	51.0	49,980	1.42	70,972	72.42
	1985	1,175	840	Bu.	53.0	44,520	1.05	46,746	55.65
	1986	1,050	700	Bu.	55.0	38,500	1.20	46,200	66.00
	1987	1,050	700	Bu.	52.0	36,400	1.57	57,148	81.64
	1988	1,100	400	Bu.	18.0	7,200	2.34	16,848	42.12
	1989	1,150	650	Bu.	31.0	20,150	1.20	24,180	37.20
	1990	1,000	600	Bu.	51.0	30,600	.93	28,458	47.43
Barley	1981	2,150	2,100	Bu.	48.0	100,800	2.20	221,760	1050.60
	1982	2,000	1,950	Bu.	53.0	103,350	1.76	181,896	93.26
	1983	2,600	2,520	Bu.	45.5	114,660	2.20	252,252	100.10
	1984	2,950	2,900	Bu.	53.0	153,700	1.94	298,178	102.82
	1985	3,500	3,350	Bu.	55.0	184,250	1.60	294,800	88.00
	1986	3,600	3,450	Bu.	51.0	175,950	1.37	241,052	69.87
	1987	3,000	2,900	Bu.	48.0	139,200	1.70	236,640	81.60
	1988	2,800	2,150	Bu.	21.0	45,150	2.97	134,096	62.37
	1989	2,800	2,650	Bu.	37.0	98,050	2.15	210,808	79.55
	1990	2,600	2,450	Bu.	53.0	129,850	1.85	240,223	98.05

HISTORIC ESTIMATES CONT.

Crop	Year	Acreage		Unit	Production		Marketing Year Avg. Price	Value of Production	Value Per Harvested Acre
		Planted	Harvested		Yield Per Acre	Total			
		(000)				(000)	($/Unit)	(000 Dols.)	Dols.
Rye	1981	75	70	Bu.	31.0	2,170	2.77	6,011	85.87
	1982	80	75	Bu.	32.0	2,400	2.00	4,800	64.00
	1983	140	135	Bu.	32.0	4,320	1.79	7,733	57.28
	1984	155	150	Bu.	36.0	5,400	1.76	9,504	63.36
	1985	100	80	Bu.	33.0	2,640	1.82	4,805	60.06
	1986	135	125	Bu.	34.0	4,250	1.16	4,930	39.44
	1987	175	165	Bu.	31.0	5,115	1.31	6,701	40.61
	1988	130	90	Bu.	15.0	1,350	1.77	2,390	26.56
	1989	45	38	Bu.	28.0	1,064	1.67	1,777	46.76
	1990	35	26	Bu.	30.0	780	1.60	1,248	48.00
Flaxseed	1981	330	320	Bu.	12.5	4,000	6.57	26,280	82.13
	1982	460	435	Bu.	13.5	5,873	5.14	30,187	69.40
	1983	410	400	Bu.	11.5	4,600	6.83	31,418	78.55
	1984	400	390	Bu.	12.5	4,875	6.07	29,591	75.87
	1985	460	445	Bu.	13.5	6,008	5.00	30,040	67.51
	1986	575	545	Bu.	17.5	9,538	3.45	32,906	60.38
	1987	400	395	Bu.	16.5	6,518	3.39	22,096	55.94
	1988	220	185	Bu.	7.0	1,295	7.54	9,764	52.78
	1989	170	140	Bu.	7.0	980	7.25	7,105	50.75
	1990	220	215	Bu.	14.5	3,118	5.25	16,370	76.14
Sugarbeets	1981	145.6	144.9	Tons	18.6	2,695	20.50	55,248	381.28
	1982	145.7	144.8	Tons	17.1	2,476	35.70	88,393	610.45
	1983	143.1	142.2	Tons	16.9	2,404	35.40	85,102	598.47
	1984	139.8	139.1	Tons	16.6	2,309	37.00	85,433	614.18
	1985	144.8	144.2	Tons	16.8	2,423	35.50	86,017	596.51
	1986	164.8	163.8	Tons	17.9	2,932	39.30	115,228	703.47
	1987	163.3	161.3	Tons	19.6	3,161	43.90	138,768	860.31
	1988	177.8	175.5	Tons	14.7	2,580	44.00	113,520	646.84
	1989	180.2	180.1	Tons	15.7	2,828	40.20	113,686	631.24
	1990	193.9	193.2	Tons	14.4	2,782	—	—	—
All Dry Edible Beans	1981	430	415	Cwt.	11.0	4,565	19.80	90,387	217.80
	1982	300	240	Cwt.	10.5	2,520	11.30	28,476	118.65
	1983	170	160	Cwt.	10.3	1,648	18.70	30,818	192.61
	1984	205	200	Cwt.	12.6	2,520	16.10	40,572	202.86
	1985	260	237	Cwt.	12.7	3,010	14.40	43,344	18,289
	1986	290	280	Cwt.	15.5	4,340	17.60	76,384	272.80
	1987	370	359	Cwt.	14.0	5,026	12.90	64,835	180.60
	1988	400	370	Cwt.	7.3	2,701	25.50	68,876	186.15
	1989	500	410	Cwt.	6.0	2,460	24.80	61,008	148.80
	1990	570	550	Cwt.	9.1	5,005	15.70	78,579	142.87
Pinto Beans	1981	—	—	Cwt.	—	3,570	—	—	—
	1982	—	—	Cwt.	—	1,596	—	—	—
	1983	—	—	Cwt.	—	1,020	—	—	—
	1984	—	—	Cwt.	—	1,500	—	—	—
	1985	—	—	Cwt.	—	1,650	—	—	—
	1986	—	—	Cwt.	—	2,820	—	—	—
	1987	205	200.1	Cwt.	13.5	2,694	—	—	—
	1988	220	207	Cwt.	6.9	1,432	—	—	—
	1989	290	254	Cwt.	6.2	1,574	—	—	—
	1990	336	328	Cwt.	8.8	2,873	—	—	—
Navy Beans	1981	—	—	Cwt.	—	870	—	—	—
	1982	—	—	Cwt.	—	840	—	—	—
	1983	—	—	Cwt.	—	598	—	—	—
	1984	—	—	Cwt.	—	960	—	—	—
	1985	—	—	Cwt.	—	1,300	—	—	—
	1986	—	—	Cwt.	—	1,435	—	—	—
	1987	159.9	153.9	Cwt.	14.7	2,262	—	—	—
	1988	171	155	Cwt.	7.7	1,188	—	—	—
	1989	190	140	Cwt.	5.1	714	—	—	—
	1990	188	184	Cwt.	9.6	1,767	—	—	—

HISTORIC ESTIMATES CONT.

Crop	Year	Acreage		Unit	Production		Marketing Year Avg. Price	Value of Production	Value Per Harvested Acre
		Planted	Harvested		Yield Per Acre	Total			
		(000)				(000)	($/Unit)	(000 Dols.)	Dols.
Soybeans	1981	250	245	Bu.	28.0	6,860	5.70	39,102	159.60
	1982	425	415	Bu.	21.0	8,715	5.42	47,235	113.82
	1983	540	530	Bu.	27.0	14,310	7.37	105,465	198.99
	1984	750	740	Bu.	23.0	17,020	5.59	95,142	128.57
	1985	500	490	Bu.	26.0	12,740	4.79	61,025	124.54
	1986	475	470	Bu.	35.0	16,450	4.63	76,164	162.05
	1987	520	515	Bu.	32.5	16,738	5.27	88,209	171.28
	1988	750	690	Bu.	18.0	12,420	6.95	86,319	125.10
	1989	640	630	Bu.	22.0	13,860	5.40	74,844	118.80
	1990	500	495	Bu.	26.0	12,870	5.55	71,429	144.30
Corn, For Grain*	1981	900	513	Bu.	81.0	41,553	2.20	91,417	178.20
	1982	890	520	Bu.	68.0	35,360	2.48	87,693	168.64
	1983	720	435	Bu.	67.0	29,145	3.03	88,309	20,301
	1984	970	630	Bu.	66.0	41,580	2.57	106,861	169.62
	1985	970	560	Bu.	72.0	40,320	2.17	87,494	156.24
	1986	880	530	Bu.	93.0	49,290	1.42	69,992	132.06
	1987	770	500	Bu.	93.0	46,500	1.91	88,815	177.63
	1988	800	380	Bu.	58.0	22,040	2.40	52,896	139.20
	1989	880	465	Bu.	75.0	34,875	2.24	78,120	168.00
	1990	850	460	Bu.	80.0	36,800	2.20	80,960	176.00
Corn, For Silage*	1981	900	366	Tons	7.3	2,672	---	---	---
	1982	890	348	Tons	6.2	2,158	---	---	---
	1983	720	262	Tons	6.3	1,651	---	---	---
	1984	970	323	Tons	5.8	1,873	---	---	---
	1985	970	360	Tons	5.4	1,944	---	---	---
	1986	880	300	Tons	7.5	2,250	---	---	---
	1987	770	230	Tons	7.5	1,725	---	---	---
	1988	800	300	Tons	3.0	900	---	---	---
	1989	880	340	Tons	3.7	1,258	---	---	---
	1990	850	360	Tons	4.0	1,440	---	---	---
Sunflower, All	1981	2,650	2,628	Lbs.	1,202	3,158,160	10.70	339,117	129.04
	1982	3,400	3,348	Lbs.	1,106	3,703,600	8.84	327,246	97.74
	1983	2,375	2,344	Lbs.	1,044	2,446,400	13.00	317,715	135.54
	1984	2,850	2,817	Lbs.	976	2,749,850	11.30	311,370	110.53
	1985	2,190	2,030	Lbs.	1,094	2,221,800	8.01	177,957	87.66
	1986	1,460	1,407	Lbs.	1,353	1,903,690	7.10	135,179	96.08
	1987	1,400	1,375	Lbs.	1,510	2,076,350	8.46	175,625	127.73
	1988	1,500	1,410	Lbs.	892	1,257,600	12.00	150,883	107.01
	1989	1,320	1,290	Lbs.	957	1,234,800	11.00	135,887	105.34
	1990	1,370	1,325	Lbs.	1,163	1,541,300	11.00	169,763	128.12
Sunflower, Non-oil	1981	230	228	Lbs.	1,220	278,160	13.20	36,717	161.04
	1982	210	208	Lbs.	1,200	249,600	12.10	30,202	145.20
	1983	145	144	Lbs.	1,100	158,400	12.80	20,275	140.80
	1984	220	217	Lbs.	1,050	227,850	14.90	33,950	156.45
	1985	220	210	Lbs.	1,220	256,200	13.30	34,075	162.26
	1986	220	212	Lbs.	1,370	290,440	9.55	27,737	130.83
	1987	200	195	Lbs.	1,450	282,750	9.78	27,653	141.81
	1988	250	240	Lbs.	950	228,000	15.60	35,568	148.20
	1989	340	330	Lbs.	920	303,600	14.70	44,629	135.24
	1990	390	365	Lbs.	1,220	469,700	13.10	61,531	159.82
Sunflower, Oil	1981	2,420	2,400	Lbs.	1,200	2,880,000	10.50	302,400	126.00
	1982	3,190	3,140	Lbs.	1,100	3,454,000	8.60	297,044	94.60
	1983	2,230	2,200	Lbs.	1,040	2,288,000	13.00	297,440	135.20
	1984	2,630	2,600	Lbs.	970	2,522,000	11.00	277,420	106.70
	1985	1,970	1,820	Lbs.	1,080	1,965,600	7.32	143,882	79.06
	1986	1,240	1,195	Lbs.	1,350	1,613,250	6.66	107,442	89.91
	1987	1,200	1,180	Lbs.	1,520	1,793,600	8.25	147,972	125.40
	1988	1,250	1,170	Lbs.	880	1,029,600	11.20	115,315	98.56
	1989	980	960	Lbs.	970	931,200	9.80	91,258	95.06
	1990	980	940	Lbs.	1,140	1,071,600	10.10	108,232	115.14

* Planted acreage is corn for all purposes.

HISTORIC ESTIMATES CONT.

Crop	Year	Acreage		Unit	Production		Marketing Year Avg. Price	Value of Production	Value Per Harvested Acre
		Planted	Harvested		Yield Per Acre	Total			
		(000)				(000)	($/Unit)	(000 Dols.)	Dols.
Potatoes	1981	119	115	Cwt.	175	20,125	4.05	81,506	708.75
	1982	122	115	Cwt.	150	17,250	4.35	75,038	652.50
	1983	132	128	Cwt.	160	20,480	4.90	100,352	784.00
	1984	136	133	Cwt.	155	20,615	4.65	95,860	720.75
	1985	145	139	Cwt.	170	23,630	3.20	75,616	544.00
	1986	128	120	Cwt.	180	21,600	4.20	90,720	756.00
	1987	135	130	Cwt.	185	24,050	3.50	84,175	647.50
	1988	140	135	Cwt.	115	15,525	6.35	98,584	730.25
	1989	140	137	Cwt.	110	15,070	6.40	96,448	704.00
	1990	150	145	Cwt.	115	16,675	6.25	104,219	718.75
Hay, All	1981	---	2,900	Tons	1.49	4,315	58.00	250,270	86.30
	1982	---	2,800	Tons	1.75	4,913	41.50	203,890	72.82
	1983	---	2,900	Tons	1.54	4,478	39.00	174,642	60.22
	1984	---	2,900	Tons	1.54	4,468	43.00	192,124	66.25
	1985	---	2,950	Tons	1.28	3,768	51.50	194,052	65.78
	1986	---	3,000	Tons	1.76	5,285	37.00	195,545	65.18
	1987	---	2,850	Tons	1.63	4,635	36.50	169,178	59.36
	1988	---	2,700	Tons	0.72	1,940	78.00	151,320	56.04
	1989	---	3,400	Tons	0.89	3,020	70.50	212,910	62.62
	1990	---	3,500	Tons	1.07	3,745	64.00	239,680	68.48
Hay, Alfalfa	1981	---	1,600	Tons	1.60	2,560	---	---	---
	1982	---	1,550	Tons	2.00	3,100	---	---	---
	1983	---	1,550	Tons	1.80	2,790	---	---	---
	1984	---	1,550	Tons	1.75	2,713	---	---	---
	1985	---	1,500	Tons	1.40	2,100	---	---	---
	1986	---	1,550	Tons	2.10	3,255	---	---	---
	1987	---	1,550	Tons	1.90	2,945	---	---	---
	1988	---	1,000	Tons	0.75	750	---	---	---
	1989	---	1,500	Tons	1.00	1,500	80.50	120,750	80.50
	1990	---	1,400	Tons	1.10	1,540	74.50	114,730	81.95
Hay, Other	1981	---	1,300	Tons	1.35	1,755	---	---	---
	1982	---	1,250	Tons	1.45	1,813	---	---	---
	1983	---	1,350	Tons	1.25	1,688	---	---	---
	1984	---	1,350	Tons	1.30	1,755	---	---	---
	1985	---	1,450	Tons	1.15	1,668	---	---	---
	1986	---	1,450	Tons	1.40	2,030	---	---	---
	1987	---	1,300	Tons	1.30	1,690	---	---	---
	1988	---	1,700	Tons	0.70	1,190	---	---	---
	1989	---	1,900	Tons	0.80	1,520	54.00	82,080	43.20
	1990	---	2,100	Tons	1.05	2,205	48.50	106,943	50.93
Summer Fallow*	1981	5,200	---	---	---	---	---	---	---
	1982	5,300	---	---	---	---	---	---	---
	1983	6,900	---	---	---	---	---	---	---
	1984	6,000	---	---	---	---	---	---	
	1985	6,400	---	---	---	---	---	---	---
	1986	6,600	---	---	---	---	---	---	---
	1987	7,000	---	---	---	---	---	---	---
	1988	6,300	---	---	---	---	---	---	---
	1989	4,400	---	---	---	---	---	---	---
	1990	4,000	---	---	---	---	---	---	---
Principal Crops Total**	1981	22,955	22,361	---	---	---	---	2,448,267	109.49
	1982	22,308	21,753	---	---	---	---	2,270,324	104.37
	1983	18,970	18,432	---	---	---	---	2,014,076	109.27
	1984	21,351	20,975	---	---	---	---	2,348,953	111.99
	1985	21,425	20,535	---	---	---	---	2,155,873	104.99
	1986	21,328	20,471	---	---	---	---	1,827,135	89.25
	1987	20,108	19,415	---	---	---	---	1,926,336	99.22
	1988	19,808	16,216	---	---	---	---	1,301,421	80.26
	1989	21,998	20,660	---	---	---	---	1,852,827	89.68
	1990	22,240	21,229	---	---	---	---	NA	NA

* Acres Summer fallowed. ** Includes acres harvested for winter wheat, rye and hay.

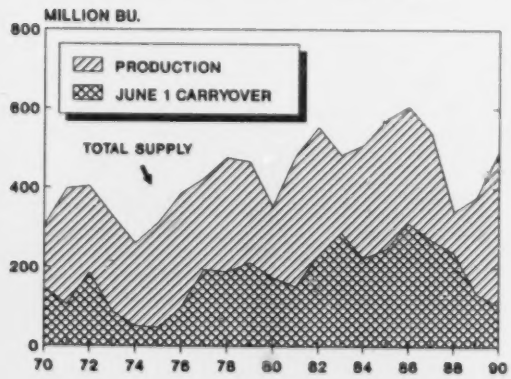
GRAIN STOCKS

Stocks by Positions, Quarterly, North Dakota, 1981-90*

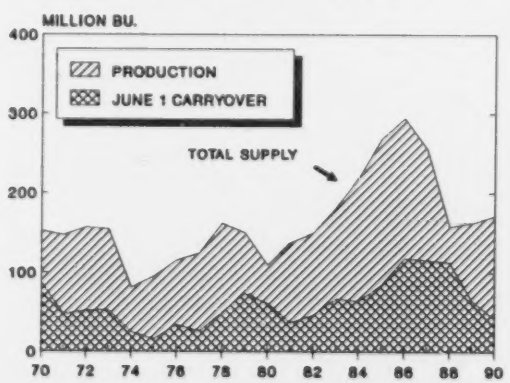
Year Beginning Sept. 1	On Farm				Off Farm				Total			
	Sept. 1	Dec. 1	March 1	June 1	Sept. 1	Dec. 1	March 1	June 1	Sept. 1	Dec. 1	March 1	June 1
	Thousand Bushels											
ALL WHEAT												
1981	334,825	275,738	249,478	196,956	64,300	49,205	42,000	32,241	399,125	324,943	291,478	229,197
1982	432,031	354,070	298,848	237,130	69,500	56,000	51,500	51,000	501,531	410,070	350,348	288,130
1983	267,899	242,663	215,484	174,717	73,000	62,000	57,500	48,792	340,899	304,663	272,984	223,509
1984	329,660	255,771	215,984	193,249	79,500	67,000	61,500	54,000	409,160	322,771	277,484	247,249
1985	381,441	323,255	268,302	235,976	85,000	80,000	86,000	76,500	466,441	403,255	354,302	312,476
1986	350,000	315,000	240,000	170,000	110,200	109,500	102,500	101,000	460,200	424,500	342,500	271,000
1987	290,000	260,000	215,000	176,000	113,000	105,000	90,000	62,000	403,000	365,000	305,000	238,000
1988	180,000	163,000	135,000	93,000	82,000	71,000	59,000	42,000	262,000	234,000	194,000	135,000
1989	220,000	160,000	110,000	71,000	89,000	77,000	62,000	34,000	309,000	237,000	172,000	105,000
1990	292,000	246,000	170,000		90,000	71,000	59,000		382,000	317,000	229,000	
DURUM WHEAT												
1981	118,938	98,475	88,244	75,455	19,000	13,000	10,500	7,529	137,938	111,475	98,744	82,984
1982	148,506	130,774	108,609	93,093	21,500	18,000	16,000	16,000	170,006	148,774	124,609	109,093
1983	95,069	82,574	73,339	60,844	24,500	22,500	18,890	16,400	119,569	105,074	92,229	77,244
1984	109,240	82,520	71,517	61,300	25,000	21,000	18,500	16,600	134,240	103,520	90,017	77,900
1985	114,594	103,135	82,126	72,576	25,200	24,000	26,200	23,450	139,794	127,135	108,326	96,026
1986	112,000	86,000	64,000	44,000	28,500	35,100	32,500	25,000	140,500	121,100	96,500	69,000
1987	81,000	66,000	56,000	48,000	30,700	28,500	25,000	16,500	111,700	94,500	81,000	64,500
1988	48,000	44,000	39,000	30,000	24,000	20,000	17,000	12,000	72,000	64,000	56,000	42,000
1989	67,000	52,000	38,000	24,000	22,000	20,000	14,000	8,500	89,000	72,000	52,000	32,500
1990	87,000	77,000	52,000		19,000	15,000	12,000		106,000	92,000	64,000	
BARLEY 1/												
1981	87,696	66,528	50,400	40,320	11,000	8,621	8,215	6,298	98,696	75,149	58,615	46,618
1982	112,652	98,183	70,278	57,876	14,500	11,000	10,000	9,000	127,152	109,183	80,278	66,876
1983	105,487	79,115	67,649	55,037	15,300	13,900	11,230	9,505	120,787	93,015	78,879	64,542
1984	144,478	106,053	89,146	73,776	17,300	15,200	13,800	10,900	161,778	121,253	102,946	84,676
1985	189,778	147,400	NA	93,968	29,900	25,600	NA	24,750	219,678	173,000	NA	118,718
1986	NA	NA	NA	83,000	NA	NA	NA	33,500	NA	NA	NA	116,500
1987	NA	NA	NA	81,000	NA	NA	NA	32,500	NA	NA	NA	113,500
1988	77,000	65,000	47,000	35,000	42,000	40,000	37,000	30,000	119,000	105,000	84,000	65,000
1989	77,000	57,000	32,000	18,000	45,000	40,000	38,000	24,000	122,000	97,000	70,000	42,000
1990	93,000	80,000	31,000		33,000	25,000	21,000		126,000	85,000	52,000	
OATS 1/												
1981	45,043	35,328	22,522	17,222	2,200	1,800	1,300	1,185	47,243	37,128	23,822	18,407
1982	58,433	48,972	33,390	25,043	2,900	2,100	1,750	1,200	61,333	51,072	35,140	26,243
1983	60,449	41,996	36,905	26,725	3,300	1,600	1,130	1,032	63,749	43,596	38,035	27,757
1984	54,978	34,486	29,988	20,492	2,550	1,800	1,670	1,060	57,528	36,286	31,658	21,552
1985	48,972	35,616	NA	15,582	2,350	1,600	NA	1,050	51,322	37,216	NA	16,632
1986	NA	NA	NA	13,500	NA	NA	NA	1,830	NA	NA	NA	15,330
1987	NA	NA	NA	8,500	NA	NA	NA	1,700	NA	NA	NA	10,200
1988	NA	NA	NA	5,900	NA	NA	NA	1,600	NA	NA	NA	7,500
1989	NA	NA	11,000	6,400	NA	NA	2,100	1,300	NA	NA	13,100	7,700
1990	25,000	22,000	16,000		2,600	2,000	2,500		27,600	24,000	18,500	

* See footnote on following page.

ALL WHEAT
TOTAL SUPPLY, NORTH DAKOTA, 1970 - 90



BARLEY
TOTAL SUPPLY, NORTH DAKOTA, 1970 - 90



GRAIN STOCKS CONT.

Stocks by Positions, Quarterly, North Dakota, 1981-90*

Year Beginning Sept. 1	On Farm				Off Farm				Total			
	Sept. 1	Dec. 1	March 1	June 1	Sept. 1	Dec. 1	March 1	June 1	Sept. 1	Dec. 1	March 1	June 1
	Thousand Bushels											
RYE 1/												
1985				2,165				2,700				4,865
1986				1,900				2,900				4,800
1987				2,800				3,200				6,000
1988				880				900				1,780
1989				160				230				390
FLAXSEED 1/												
1985				601				250				851
1986				1,800				425				2,225
1987				790				1,000				1,790
1988				670				450				1,120
1989				75				60				135

Year Beginning Dec. 1	Dec. 1	March 1	June 1	Sept. 1	Dec. 1	March 1	June 1	Sept. 1	Dec. 1	March 1	June 1	Sept. 1 2/
	Thousand Bushels											
CORN												
1981	29,087	26,178	24,101	22,854	3,767	2,974	2,364	1,950	32,854	29,152	26,465	24,804
1982	38,896	37,128	35,360	17,680	5,350	4,650	4,571	9,200	44,246	41,778	39,931	26,880
1983	20,402	18,944	16,030	8,452	8,900	6,245	4,260	3,200	29,302	25,189	20,290	11,652
1984	28,274	22,869	19,543	14,553	4,500	3,900	2,800	2,600	32,774	26,769	22,343	17,153
1985	39,110	34,675	27,418	25,000	5,800	5,400	5,350	6,300	44,910	40,075	32,768	31,300
1986	49,000	39,000	24,500	21,000	15,199	11,500	9,950	8,100	64,199	50,500	34,450	29,100
1987	46,000	34,000	24,000	21,000	13,000	11,000	7,500	6,000	59,000	45,000	31,500	27,000
1988	30,000	23,000	15,000	11,000	10,000	6,000	4,100	3,800	40,000	29,000	19,100	14,800
1989	27,000	15,000	8,000	6,500	11,000	6,300	2,700	1,300	38,000	21,300	10,700	7,800
1990	30,000	19,000			6,000	4,200			36,000	23,200		
SOYBEANS												
1981	3,499	2,950	1,784	755	1,700	1,200	360	330	5,199	4,150	2,144	1,085
1982	5,316	2,963	2,615	523	1,800	850	752	360	7,116	3,813	3,367	883
1983	4,293	3,864	1,717	286	2,500	1,821	1,031	635	6,793	5,685	2,748	921
1984	6,638	5,276	3,915	1,362	2,900	1,800	1,450	1,500	9,538	7,076	5,365	2,862
1985	8,408	NA	NA	NA	3,500	2,900	1,890	1,850	11,908	NA	NA	NA
1986	NA	NA	NA	NA	5,300	3,900	3,200	2,750	NA	NA	NA	NA
1987	NA	NA	NA	NA	6,200	3,100	1,100	930	NA	NA	NA	NA
1988	NA	NA	NA	NA	3,800	2,100	1,100	730	NA	NA	NA	NA
1989	NA	4,200	2,000	700	5,200	2,500	1,100	290	NA	6,700	3,100	990
1990	5,000	3,500			3,300	1,600			8,300	5,100		
	Million Pounds											
SUNFLOWER 2/												
1985	1,244.2	NA	NA	240.0	350.0	NA	NA	113.2	1,594.2	NA	NA	353.2
1986	NA	NA	NA	260.0	NA	NA	NA	159.5	NA	NA	NA	419.5
1987	NA	NA	NA	140.0	NA	NA	NA	250.0	NA	NA	NA	390.0
1988	NA	NA	NA	60.0	NA	NA	NA	64.0	NA	NA	NA	124.0
1989	NA			7.0	NA			35.0				42.0

NA - Not Available. *Beginning September 1, 1986, the NASS changed quarterly reference dates from October 1 to September 1; January 1 to December 1; April 1 to March 1; and June 1 will remain as is. Soybean reference date is also September 1 historically. 1/ Estimates made on June 1 only for Oats starting 1985 crop; for Rye and Flaxseed starting 1963 crop; for Barley 1985 through 1987 crop. Quarterly estimates were reinstated starting with 1988 crop for barley and 1989 crop for oats. 2/ Annual estimates only for Sunflower, starting September 1, 1986, for 1985 crop.

HAY

Crop of	Production	Stocks Dec. 1 1/	Stocks May 1
	- - - Thousand Ton - - -		
1981	4,315	3,409	734
1982	4,913	4,225	1,621
1983	4,478	3,672	1,164
1984	4,468	3,887	983
1985	3,768	2,675	641
1986	5,285	5,074	1,427
1987	4,635	5,099	1,298
1988	1,940	2,309	446
1989	3,020	2,960	634
1990	3,745	3,371	861

1/ January 1 prior to 1986.

GRAIN STORAGE CAPACITY

North Dakota, Dec. 1, 1982-90 2/

Year	On Farm 1/	Off Farm	Total
		- - - Thousand Bushel - - -	
1982, Jan. 1*		155,112	
1983, Jan. 1		173,530	
1984, Jan. 1		182,800	
1985, Jan. 1		186,150	
1986, Jan. 1	919,677	197,200	1,116,877
1986, Dec. 1	901,459	228,630	1,130,089
1987, Dec. 1	885,000	232,100	1,117,100
1988, Dec. 1	910,000	249,140	1,159,140
1989, Dec. 1	850,000	240,240	1,090,240
1990, Dec. 1	860,000	230,150	1,090,150

* Excludes sunflower facilities. 1/ Survey summary indication prior to 1987. 2/ Jan. 1 prior to 1986.

POTATOES

North Dakota, 1985-90

Crop Year	Harvested Acres	Yield per Acre	Production	Stocks on Hand					
				December 1	January 1	February 1	March 1	April 1	May 1
	(000)	(Cwt.)	(000 Cwt.)	---------- Thousand Hundredweight ----------					
				REDS					
1985	28.5	160	4,560	3,500	2,720	2,100	1,750	NA	NA
1986	25.9	165	4,275	3,050	2,850	2,150	NA	NA	NA
1987	NA	NA	NA	3,515	3,100	2,340	NA	NA	NA
1988	NA	NA	NA	1,575	1,118	885	NA	NA	NA
1989	20.9	105	2,190	1,870	1,520	1,250	810	NA	NA
1990 1/	17.8	115	2,050	1,790	1,650	1,180	960	NA	NA
				WHITES					
1985	84.0	165	13,900	10,600	8,960	6,950	5,000	NA	NA
1986	73.0	181	13,210	9,150	7,550	6,000	NA	NA	NA
1987	NA	NA	NA	10,545	8,215	6,630	NA	NA	NA
1988	NA	NA	NA	6,195	4,902	3,605	NA	NA	NA
1989	90.7	100	9,070	6,270	5,320	4,055	2,785	NA	NA
1990 1/	99.6	90	8,975	6,910	5,500	4,370	3,180	NA	NA
				RUSSETS					
1985	26.5	195	5,170	4,700	4,320	4,150	3,950	NA	NA
1986	21.1	195	4,115	3,300	3,100	2,950	NA	NA	NA
1987	NA	NA	NA	4,440	4,185	4,030	NA	NA	NA
1988	NA	NA	NA	2,730	2,580	2,310	NA	NA	NA
1989	25.4	150	3,810	2,860	2,660	2,495	2,205	NA	NA
1990 1/	27.6	205	5,650	4,100	3,850	3,550	3,260	NA	NA
				TOTAL					
1985	139.0	170	23,630	18,800	16,000	13,200	10,700	7,800	3,800
1986	120.0	180	21,600	15,500	13,500	11,100	8,900	5,900	3,000
1987	130.0	185	24,050	18,500	15,500	13,000	10,300	7,000	3,400
1988	135.0	115	15,525	10,500	8,600	6,800	4,600	3,300	2,000
1989	137.0	110	15,070	11,000	9,500	7,800	5,800	3,600	2,200
1990 1/	145.0	115	16,675	12,800	11,000	9,100	7,400	5,700	3,500

1/ Preliminary. NA - Not Available.

North Dakota, 1984-89

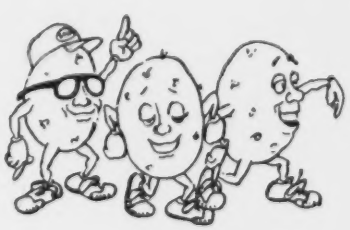
Crop of	Production	Total Used for Seed 1/	Farm Disposition			Price per Cwt.	Value of	
			Seed, Feed and Home	Shrink and Loss	Sold 2/		Production	Sales
	---------- Thousand Hundredweight ----------					(Dols.)	(Thousand Dols.)	
1984	20,615	2,175	310	3,710	16,595	4.65	95,860	77,167
1985	23,630	1,984	340	4,725	18,565	3.20	75,616	59,408
1986	21,600	2,025	325	2,375	18,900	4.20	90,720	79,380
1987	24,050	2,170	340	3,310	20,400	3.50	84,175	71,400
1988	15,525	2,030	390	1,475	13,660	6.35	98,584	86,741
1989	15,070	2,175	375	1,435	13,260	6.40	96,448	84,864

1/ Includes seed purchased and seed used on farms where grown. 2/ Consists of potatoes sold for all purposes includes food, seed, processing and livestock feed.

PERCENT PLANTED BY TYPE

North Dakota, 1985-90

Year	Acres	Reds	Whites	Russets
	(000)	---- Percent ----		
1985	145	20	65	15
1986	128	21	62	17
1987	135	21	61	18
1988	140	19	63	18
1989	140	14	68	18
1990	150	14	68	18



CERTIFIED SEED

North Dakota, 1985-89

Year	Acres Eligible
1985	32,983
1986	29,047
1987	30,765
1988	29,265
1989	31,203
1990	34,347

Source: N.D. State Seed Dept.

WHEAT VARIETIES

HARD RED SPRING WHEAT
Percent of Acreage Planted
by Variety, North Dakota, 1986-90

Variety	1986	1987	1988	1989	1990
	Percent				
Butte 86	---	.9	18.0	27.8	29.9
Stoa	28.1	29.3	21.2	21.0	18.0
Len	18.4	19.7	20.0	14.2	11.5
Marshall	13.5	16.6	10.8	10.5	10.3
Pioneer Var. 2375	---	---	---	0.8	3.4
Amidon	---	---	*	*	3.1
Pioneer Variety 2369	5.5	6.1	3.7	2.9	2.3
Coteau	3.6	3.7	4.3	3.1	2.2
Alex	6.0	3.1	2.9	2.3	2.0
Waldron	4.9	3.0	2.1	2.6	1.6
Wheaton	4.0	2.9	1.8	1.7	1.6
Pioneer Variety 2385	---	---	1.0	1.4	1.5
Other	16.0	14.7	14.2	11.7	12.6
All Varieties	100.0	100.0	100.0	100.0	100.0

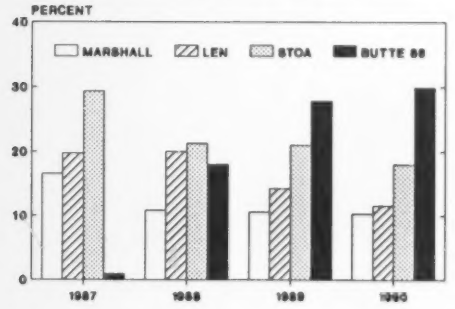
*Less than 0.5%, included in Other.

DURUM WHEAT
Percent of Acreage Planted
by Variety, North Dakota, 1986-90

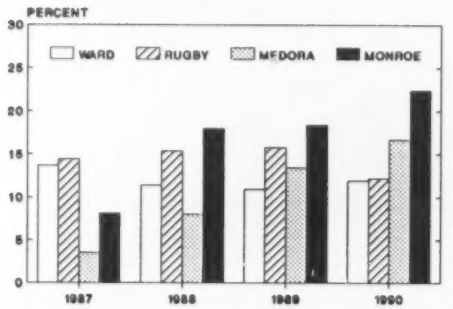
Variety	1986	1987	1988	1989	1990
	Percent				
Monroe	1.7	8.1	18.0	18.4	22.4
Medora	2.3	3.5	8.0	13.5	16.7
Rugby	10.6	14.4	15.4	15.8	12.2
Ward	13.6	13.7	11.4	10.9	11.9
Vic	42.2	43.9	26.6	18.3	11.7
Sceptre	---	---	1.7	8.1	9.1
Renville	---	---	---	---	4.4
Cando	3.2	5.7	6.4	4.2	3.0
Crosby	3.9	2.8	3.4	4.2	2.3
Laker	*	*	2.3	2.0	2.1
Lloyd	20.4	5.4	4.1	2.4	1.5
Other	2.1	2.5	2.7	2.2	2.7
All Varieties	100.0	100.0	100.0	100.0	100.0

*Less than 0.4%, included in Other.

HARD RED SPRING WHEAT
LEADING VARIETIES PLANTED
NORTH DAKOTA, 1987 - 90



DURUM WHEAT
LEADING VARIETIES PLANTED
NORTH DAKOTA, 1987 - 90



PERCENT OF ACREAGE PLANTED BY DISTRICTS,
North Dakota, 1990

Variety	Northwest	North Central	Northeast	West Central	Central	East Central	Southwest	South Central	Southeast	State
	Percent Planted									
HARD RED SPRING WHEAT										
Butte 86	11.4	17.3	23.4	7.1	43.0	52.4	24.8	17.0	44.4	29.9
Stoa	44.0	26.6	10.4	43.2	9.9	6.8	30.8	13.5	7.7	18.0
Len	18.7	17.1	2.3	13.0	14.8	2.3	20.1	22.2	9.8	11.5
Marshall	0.9	4.2	32.8	---	4.1	15.6	1.2	3.7	3.6	10.3
Pioneer Variety 2375	3.0	1.4	2.4	2.7	3.6	5.4	1.0	0.5	7.8	3.4
Amidon	4.1	3.2	1.5	3.4	4.3	1.7	5.5	3.3	3.3	3.1
Pioneer Variety 2369	0.6	5.0	1.4	0.1	5.0	1.5	1.7	3.0	3.1	2.3
Coteau	2.5	4.0	0.3	4.7	2.6	0.1	3.2	4.8	1.8	2.2
Alex	5.4	1.9	---	9.1	0.4	---	3.1	4.0	0.4	2.0
Waldron	3.2	5.6	---	5.2	1.0	0.2	1.4	2.8	0.7	1.6
Wheaton	0.2	3.7	4.3	0.2	0.1	1.9	---	1.8	0.5	1.6
Pioneer Variety 2385	---	2.2	0.3	0.2	1.6	3.2	0.4	0.9	3.2	1.5
Other	6.0	7.9	20.8	10.9	9.4	8.9	6.9	22.4	13.7	12.6
DURUM										
Monroe	23.4	12.1	10.9	47.6	45.7	18.3	32.3	---	59.0	22.4
Medora	28.0	21.5	2.3	12.5	7.9	---	14.4	86.5	---	16.7
Rugby	1.9	22.4	25.6	---	15.5	---	---	---	---	12.2
Ward	6.4	10.6	21.9	9.6	1.8	3.7	39.7	---	7.0	11.9
Vic	19.9	9.0	0.3	13.7	14.1	14.2	12.2	---	22.1	11.7
Sceptre	2.7	11.7	20.8	4.0	1.3	11.6	---	13.5	2.7	9.1
Renville	2.2	3.5	6.1	8.2	9.2	8.5	---	---	3.7	4.4
Cando	1.0	1.5	8.6	---	---	14.0	---	---	---	3.0
Crosby	7.0	0.5	---	---	---	---	---	---	---	2.3
Laker	1.8	2.0	1.0	1.6	0.9	28.8	---	---	0.5	2.1
Other	5.7	5.1	2.5	2.7	3.5	0.8	1.3	---	4.9	4.2

WHEAT VARIETIES CONT.

WINTER WHEAT

Percent of Acreage Planted by Variety, North Dakota, 1986-90

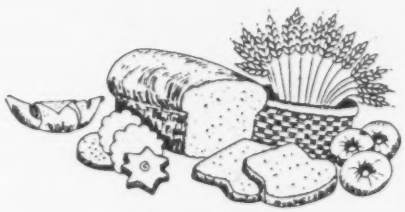
Variety	1986	1987	1988	1989	1990
	Percent				
Roughrider	57.3	58.2	51.4	61.6	48.7
Seward	-	-	1.4	13.0	19.3
Agassiz	10.8	19.0	28.3	6.4	16.9
Norstar	23.0	16.5	9.4	9.2	9.8
Arapahoe	---	---	---	---	2.1
Thunderbird	---	---	---	---	1.5
Siouxland	*	.9	3.4	2.3	0.6
Big Horn	2.5	4.4	2.7	6.5	0.6
Other	6.4	1.0	3.4	1.0	0.5
All Varieties	100.0	100.0	100.0	100.0	100.0

* Less than 0.5% included in other.

WINTER WHEAT

Percent of Roughrider Acreage Planted by Districts, North Dakota, 1988-90

District	1988	1989	1990
	Percent		
Northwest	54.2	66.5	46.3
North Central	16.6	---	4.8
Northeast	88.9	49.9	41.5
West Central	10.8	28.6	23.9
Central	58.6	47.0	48.6
East Central	68.0	79.3	76.8
Southwest	22.4	20.9	14.7
South Central	42.5	---	27.6
Southeast	88.9	86.9	63.3
STATE	51.4	61.6	48.7



BARLEY VARIETIES

PERCENT OF ACREAGE PLANTED BY VARIETY

North Dakota, 1986-90

Variety	1986	1987	1988	1989	1990
	Percent				
* Robust	37.4	34.3	38.6	46.7	53.2
* Morex	16.4	21.5	19.7	16.1	13.8
Bowman	8.4	11.8	12.3	11.2	11.6
* Azure	21.1	21.9	21.9	15.8	8.7
Busch Variety 1602	---	---	---	6.0	8.4
Other	16.7	10.5	7.5	4.2	** 4.3
All Varieties	100.0	100.0	100.0	100.0	100.0

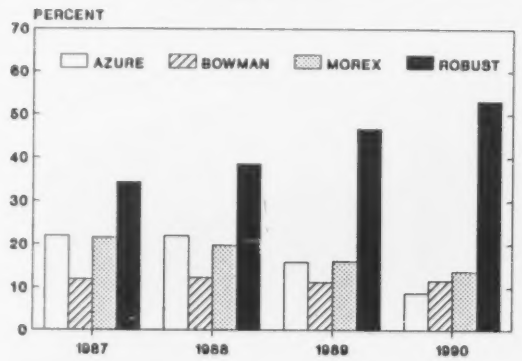
* Recommended as acceptable malting varieties by the American Malting Barley Association, Inc.

** Includes varieties each with 1.0% or less.

BARLEY

LEADING VARIETIES PLANTED

NORTH DAKOTA, 1987 - 90



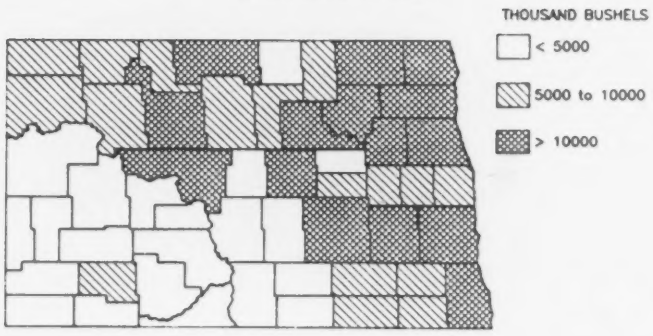
PERCENT OF ACREAGE PLANTED BY DISTRICTS,

North Dakota, 1990

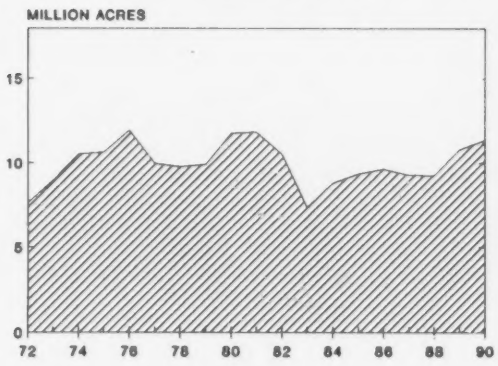
Variety	Northwest	North Central	Northeast	West Central	Central	East Central	Southwest	South Central	Southeast	State
	Percent									
Robust	25.9	54.9	84.2	14.4	36.0	52.0	2.1	10.7	55.4	53.2
Morex	48.5	40.1	4.9	10.8	6.6	3.6	1.8	6.3	9.4	13.8
Bowman	16.1	0.9	1.1	59.3	3.1	---	86.0	59.6	10.3	11.6
Azure	2.2	2.1	2.4	---	43.8	16.9	0.7	5.9	9.8	8.7
Busch Variety 1602	---	0.7	6.4	---	5.9	24.1	---	---	10.5	8.4
Other	7.3	1.3	1.0	15.5	4.6	3.4	9.4	17.5	4.6	4.3

ALL WHEAT

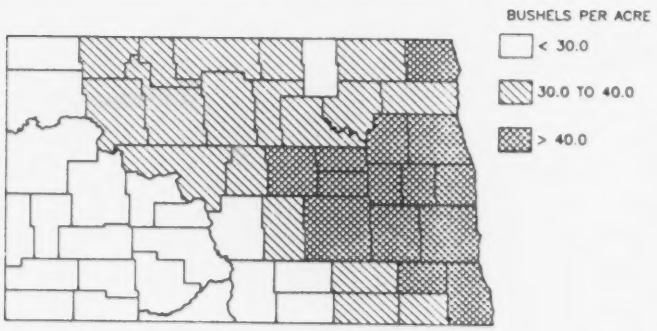
PRODUCTION
NORTH DAKOTA, 1990



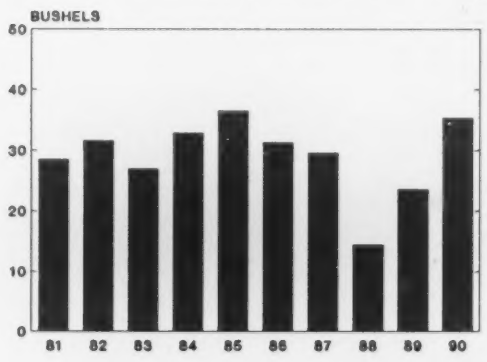
PLANTED ACRES
NORTH DAKOTA, 1972 - 90



YIELD PER ACRE
NORTH DAKOTA, 1990



YIELD PER ACRE
NORTH DAKOTA, 1981 - 90



North Dakota, 1981-90

Year	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Marketing Year Avg. Price	Value of Production	Value Per Harvested Acre
	(Acres)	(Acres)	(Bu.)	(Bu.)	($/Bu.)	(Dols.)	(Dols.)
1981	11,825,000	11,570,000	28.4	328,260,000	3.58	1,174,305,000	101.50
1982	10,525,000	10,300,000	31.5	324,835,000	3.48	1,129,246,000	109.64
1983	7,370,000	7,205,000	26.9	194,130,000	3.78	733,097,000	101.75
1984	8,820,000	8,660,000	32.8	284,190,000	3.57	1,013,346,000	117.01
1985	9,350,000	8,870,000	36.4	323,255,000	3.26	1,053,977,000	118.82
1986	9,620,000	9,380,000	31.2	292,320,000	2.54	742,835,000	79.19
1987	9,300,000	9,135,000	29.5	269,120,000	2.95	794,146,000	86.93
1988	9,250,000	7,230,000	14.3	103,390,000	4.02	415,925,000	57.53
1989	10,800,000	10,330,000	23.5	242,320,000	3.45	836,054,000	80.93
1990	11,350,000	10,910,000	35.3	385,220,000	2.47	952,863,000	87.34

ALL WHEAT

North Dakota, 1990 and 5-Year Average, 1985-89

District and County	1990				5-Year Average, 1985-89			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	185,000	183,000	34.5	6,321,000	163,000	155,800	23.1	3,597,900
Divide	219,000	214,500	25.7	5,522,000	201,300	190,500	20.2	3,912,600
Mountrail	276,500	268,900	32.8	8,826,800	230,100	221,300	23.4	5,219,000
Renville	226,000	226,000	37.3	8,433,000	187,500	184,600	28.9	5,282,100
Ward	442,500	432,200	36.2	15,641,000	378,600	362,000	26.7	9,696,800
Williams	371,000	351,900	22.1	7,761,200	305,500	290,000	18.3	5,371,200
Northwest	1,720,000	1,676,500	31.3	52,505,000	1,466,000	1,404,300	23.6	33,081,600
Benson	293,400	292,400	37.8	11,052,400	235,100	210,600	23.4	5,052,000
Bottineau	405,000	400,900	38.0	15,236,400	332,500	316,700	28.5	8,971,300
McHenry	207,000	206,000	31.8	6,549,800	183,400	171,200	22.8	4,002,600
Pierce	185,500	185,200	33.2	6,145,400	157,800	139,400	20.6	2,991,900
Rolette	143,100	141,500	32.5	4,601,000	126,400	122,100	27.1	3,307,600
North Central	1,234,000	1,226,000	35.6	43,585,000	1,035,100	960,100	25.0	24,325,400
Cavalier	466,500	460,800	34.9	16,066,000	356,300	350,900	35.1	12,212,700
Grand Forks	290,000	287,100	49.6	14,251,000	240,400	237,700	39.1	9,258,400
Nelson	248,000	245,500	44.2	10,851,500	202,400	198,400	28.7	5,674,900
Pembina	297,500	296,100	45.9	13,586,300	243,600	238,200	41.0	9,912,300
Ramsey	325,500	317,300	34.7	10,995,500	268,500	262,100	28.5	7,424,400
Towner	285,300	284,100	29.5	8,390,700	239,300	232,000	28.3	6,544,000
Walsh	338,200	338,100	37.2	12,567,000	278,000	271,600	38.4	10,415,700
Northeast	2,251,000	2,229,000	38.9	86,708,000	1,828,500	1,790,800	34.4	61,442,300
Dunn	122,000	117,000	24.3	2,840,000	113,200	96,200	20.9	2,157,300
McKenzie	169,000	143,500	29.7	4,263,800	151,800	131,400	20.3	2,785,300
McLean	393,200	387,400	31.9	12,360,600	333,900	316,900	24.5	7,951,700
Mercer	89,500	86,400	27.8	2,402,800	82,400	74,300	25.7	2,018,100
Oliver	56,300	46,200	15.8	730,800	50,600	44,900	22.4	1,062,800
West Central	830,000	780,500	29.0	22,598,000	731,900	663,700	23.1	15,975,300
Eddy	107,000	104,500	40.7	4,248,500	86,000	81,600	23.2	1,912,800
Foster	152,500	149,500	47.3	7,069,000	128,900	122,200	26.4	3,220,200
Kidder	78,200	76,900	30.4	2,335,000	87,200	70,500	17.0	1,407,900
Sheridan	128,800	127,800	31.0	3,958,000	120,500	109,300	21.7	2,482,300
Stutsman	412,500	393,400	42.0	16,529,800	373,300	347,000	25.5	9,112,300
Wells	286,000	281,900	42.2	11,883,700	238,200	223,200	24.3	5,417,700
Central	1,165,000	1,134,000	40.6	46,024,000	1,034,100	953,900	24.0	23,553,300
Barnes	375,500	365,000	46.5	16,961,500	300,600	285,600	28.5	8,134,600
Cass	419,000	412,700	51.5	21,257,400	322,000	312,200	37.1	11,546,000
Griggs	146,000	140,500	46.5	6,536,800	120,700	116,800	28.5	3,294,100
Steele	181,500	180,100	49.9	8,985,300	139,100	135,500	33.7	4,538,100
Traill	198,000	197,700	50.1	9,905,500	153,500	151,700	39.8	5,999,000
East Central	1,320,000	1,296,000	49.1	63,646,500	1,036,000	1,001,900	33.6	33,511,800
Adams	135,000	126,500	17.7	2,237,900	120,100	105,300	20.9	2,353,300
Billings	32,500	31,000	21.4	662,000	36,000	28,300	17.8	537,400
Bowman	103,000	85,500	18.3	1,565,300	102,500	91,300	19.9	1,919,000
Golden Valley	92,500	87,800	23.9	2,099,900	81,600	68,000	20.1	1,493,900
Hettinger	246,000	235,800	23.7	5,579,000	222,600	206,800	23.9	5,149,600
Slope	111,500	105,200	19.2	2,019,500	94,800	88,500	22.9	2,070,500
Stark	174,500	163,700	19.5	3,187,400	166,400	147,000	21.0	3,205,400
Southwest	895,000	835,500	20.8	17,351,000	824,000	735,300	21.7	16,729,000
Burleigh	159,500	153,300	23.1	3,547,300	152,600	122,100	18.6	2,597,100
Emmons	211,500	125,500	17.5	2,199,000	183,800	140,800	17.0	2,794,900
Grant	130,000	93,800	14.5	1,361,500	116,000	99,100	20.3	2,123,900
Morton	155,000	110,400	15.9	1,759,100	138,100	114,700	22.1	2,713,200
Sioux	39,000	29,000	16.0	463,100	40,000	28,900	17.2	561,300
South Central	695,000	512,000	18.2	9,330,000	630,400	505,600	19.2	10,790,300
Dickey	174,000	171,200	33.5	5,733,500	162,500	145,800	23.1	3,500,100
LaMoure	247,500	245,000	39.0	9,547,500	203,300	183,900	25.3	4,794,100
Logan	126,000	122,800	26.7	3,275,000	111,100	91,800	20.9	2,077,200
McIntosh	159,000	157,500	20.1	3,167,000	139,300	114,600	17.4	2,199,100
Ransom	139,500	134,500	41.9	5,629,000	115,900	106,300	28.5	3,093,900
Richland	235,500	234,000	43.8	10,253,000	208,800	206,000	35.1	7,277,200
Sargent	158,500	155,500	37.7	5,867,500	137,100	125,000	28.2	3,730,300
Southeast	1,240,000	1,220,500	35.6	43,472,500	1,078,000	973,400	26.4	26,672,000
STATE	11,350,000	10,910,000	35.3	385,220,000	9,664,100	8,989,000	27.0	246,081,000

ALL WHEAT

North Dakota, 1988 and 1989

District and County	1988				1989			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	154,000	136,900	15.7	2,150,800	185,000	181,800	16.6	3,024,000
Divide	194,200	175,600	11.9	2,088,400	224,000	214,300	13.7	2,928,000
Mountrail	218,300	194,800	11.0	2,144,500	257,000	252,500	17.6	4,444,000
Renville	180,000	172,500	17.0	2,932,000	220,000	219,700	23.0	5,057,000
Ward	366,500	326,300	12.3	4,000,300	430,400	424,300	21.3	9,040,700
Williams	304,000	261,000	8.0	2,087,500	351,100	344,100	14.0	4,825,000
Northwest	1,417,000	1,267,100	12.2	15,403,500	1,667,500	1,636,700	17.9	29,318,700
Benson	237,000	152,000	10.8	1,645,000	275,000	247,000	18.6	4,596,000
Bottineau	321,000	295,000	15.2	4,488,800	383,300	379,700	25.7	9,776,600
McHenry	172,000	133,500	9.7	1,290,000	195,000	190,000	17.9	3,400,000
Pierce	145,500	91,800	9.9	906,900	176,200	148,500	16.3	2,418,700
Rolette	127,000	117,500	14.1	1,661,000	135,000	133,100	25.7	3,419,000
North Central	1,002,500	789,600	12.7	9,991,700	1,164,500	1,098,300	21.5	23,610,300
Cavalier	343,500	330,800	18.6	6,160,600	432,000	430,900	31.0	13,368,700
Grand Forks	233,100	228,400	26.4	6,041,000	269,000	268,300	35.8	9,616,200
Nelson	190,700	183,600	17.9	3,285,300	220,500	217,800	22.0	4,789,800
Pembina	227,200	202,100	22.0	4,450,100	284,300	282,700	43.9	12,413,500
Ramsey	262,000	247,400	15.8	3,902,800	295,400	293,400	25.4	7,449,600
Towner	230,500	218,500	15.9	3,474,500	271,300	268,800	26.8	7,216,600
Walsh	263,000	248,000	21.8	5,404,000	317,000	316,900	35.2	11,166,000
Northeast	1,750,000	1,658,800	19.7	32,718,300	2,089,500	2,078,800	31.8	66,020,400
Dunn	106,700	47,800	7.5	359,100	124,000	120,600	18.1	2,178,000
McKenzie	145,500	94,600	8.9	839,600	166,800	143,500	19.9	2,861,000
McLean	308,400	248,000	9.3	2,317,800	365,000	355,500	19.4	6,892,000
Mercer	79,700	48,100	9.6	464,000	89,000	83,000	22.5	1,871,000
Oliver	47,200	29,700	8.0	237,000	56,000	47,800	15.0	717,000
West Central	687,500	468,200	9.0	4,217,500	800,800	750,400	19.3	14,519,000
Eddy	81,500	67,700	12.0	809,200	94,900	92,700	16.6	1,534,600
Foster	124,800	110,600	14.2	1,573,600	145,300	143,700	20.5	2,941,500
Kidder	72,000	22,900	6.4	147,400	79,500	48,200	10.8	520,000
Sheridan	111,300	75,000	8.4	632,300	126,000	117,400	13.5	1,588,000
Stutsman	343,400	250,200	12.5	3,116,800	401,000	398,000	21.1	8,385,900
Wells	234,000	185,800	11.2	2,089,000	275,300	267,900	16.0	4,279,000
Central	967,000	712,200	11.7	8,368,300	1,122,000	1,067,900	18.0	19,249,000
Barnes	288,500	254,800	15.4	3,935,700	347,800	345,100	25.1	8,646,800
Cass	304,800	284,600	19.2	5,468,400	377,200	376,400	33.9	12,778,300
Griggs	120,000	113,300	18.0	2,044,200	134,500	134,200	22.7	3,043,000
Steele	135,800	130,300	23.8	3,105,600	162,000	161,900	29.1	4,708,300
Traill	145,900	143,300	31.0	4,436,000	179,500	179,400	35.0	6,275,600
East Central	995,000	926,300	20.5	18,989,900	1,201,000	1,197,000	29.6	35,457,000
Adams	114,000	58,900	7.1	419,800	124,000	121,500	19.3	2,344,500
Billings	42,000	21,200	6.8	144,300	34,800	31,300	18.3	572,700
Bowman	95,000	59,500	8.2	489,800	99,500	96,600	22.7	2,195,000
Golden Valley	81,500	37,200	6.4	237,600	94,000	90,300	25.3	2,287,100
Hettinger	203,500	152,000	9.0	1,367,000	235,700	232,500	21.1	4,914,400
Slope	97,000	74,600	9.1	679,200	101,900	100,500	24.3	2,444,900
Stark	158,000	98,600	7.7	754,800	184,600	172,800	14.6	2,529,700
Southwest	791,000	502,000	8.2	4,092,500	874,500	845,500	20.4	17,288,300
Burleigh	137,500	48,500	6.5	313,000	161,900	112,100	9.3	1,040,600
Emmons	170,000	40,000	5.5	220,000	201,500	127,300	9.3	1,178,000
Grant	110,500	57,700	8.1	464,900	133,100	115,300	13.8	1,594,900
Morton	133,500	66,000	7.7	511,300	152,200	125,600	15.0	1,879,000
Sioux	36,500	11,900	5.3	63,000	35,500	25,200	14.0	352,000
South Central	588,000	224,100	7.0	1,572,200	684,200	505,500	12.0	6,044,500
Dickey	164,000	100,000	9.0	898,000	167,500	163,400	21.8	3,555,600
LaMoure	202,500	136,300	11.9	1,624,300	238,200	235,300	26.2	6,175,600
Logan	105,200	41,200	9.4	389,000	124,300	96,900	15.8	1,530,000
McIntosh	134,100	34,300	6.1	208,000	153,000	143,100	13.9	1,991,000
Ransom	113,000	86,700	10.8	933,000	128,900	128,000	31.2	3,990,800
Richland	200,700	193,600	16.2	3,132,500	227,300	227,300	36.7	8,352,400
Sargent	132,500	89,400	9.5	851,300	156,800	155,900	33.5	5,217,400
Southeast	1,052,000	681,500	11.8	8,036,100	1,196,000	1,149,900	26.8	30,812,800
STATE	9,250,000	7,230,000	14.3	103,390,000	10,800,000	10,330,000	23.5	242,320,000

ALL WHEAT

North Dakota, 1990 1/

District and County	Summer Fallow				Continuous Cropping			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	141,700	140,000	35.4	4,959,500	43,300	43,000	31.7	1,361,500
Divide	201,600	197,300	26.1	5,153,600	16,200	16,100	20.0	322,300
Mountrail	190,700	184,000	33.9	6,233,200	85,800	84,900	30.5	2,593,600
Renville	127,800	127,800	39.6	5,062,900	98,200	98,200	34.3	3,370,100
Ward	182,600	177,500	39.6	7,024,900	259,700	254,500	33.8	8,607,700
Williams	333,100	321,800	22.3	7,184,500	33,700	26,700	14.7	391,800
Northwest	1,177,500	1,148,400	31.0	35,618,600	536,900	523,400	31.8	16,647,000
Benson	115,600	115,400	41.3	4,771,700	177,100	176,300	35.4	6,246,900
Bottineau	159,900	159,300	40.9	6,518,500	245,100	241,600	36.1	8,717,900
McHenry	79,400	79,400	35.5	2,819,500	127,600	126,600	29.5	3,730,300
Pierce	69,800	69,700	37.7	2,627,800	115,700	115,500	30.5	3,517,600
Rolette	48,300	48,200	36.7	1,770,800	94,800	93,300	30.3	2,830,200
North Central	473,000	472,000	39.2	18,508,300	760,300	753,300	33.2	25,044,900
Cavalier	111,400	109,700	39.0	4,275,200	355,100	351,100	33.6	11,790,800
Grand Forks	36,500	35,100	49.9	1,752,800	252,500	251,000	49.6	12,438,700
Nelson	56,100	54,800	48.3	2,645,800	191,900	190,700	43.0	8,205,700
Pembina	28,600	28,500	45.7	1,303,100	268,900	267,600	45.9	12,283,200
Ramsey	94,400	90,800	39.6	3,591,500	231,100	226,500	32.7	7,404,000
Towner	102,100	102,000	35.0	3,570,100	183,200	182,100	26.5	4,820,600
Walsh	43,600	43,600	39.1	1,705,500	294,500	294,400	36.9	10,855,000
Northeast	472,700	464,500	40.6	18,844,000	1,777,200	1,763,400	38.4	67,798,000
Dunn	64,400	63,600	28.8	1,834,400	57,500	53,300	18.7	998,600
McKenzie	130,900	111,800	29.5	3,296,400	31,900	25,600	20.0	511,800
McLean	206,700	204,800	35.3	7,233,400	185,400	181,500	28.0	5,077,700
Mercer	60,900	59,600	31.6	1,882,300	28,600	26,800	19.4	520,500
Oliver	24,800	22,200	20.7	460,300	31,400	23,900	11.1	265,000
West Central	487,700	462,000	31.8	14,706,800	334,800	311,100	23.7	7,373,600
Eddy	32,500	31,000	40.3	1,250,400	74,400	73,400	40.8	2,992,100
Foster	34,600	34,400	50.4	1,733,200	117,300	114,500	46.3	5,297,800
Kidder	24,400	24,300	34.6	839,900	53,300	52,100	28.2	1,467,100
Sheridan	50,900	50,600	32.8	1,661,300	77,900	77,200	29.8	2,296,700
Stutsman	113,500	110,000	45.6	5,020,000	298,900	283,300	40.6	11,504,100
Wells	98,100	97,500	45.5	4,432,100	187,900	184,400	40.4	7,451,600
Central	354,000	347,800	42.9	14,936,900	809,700	784,900	39.5	31,009,400
Barnes	69,300	67,700	50.3	3,406,500	305,900	297,000	45.6	13,535,500
Cass	37,600	35,800	53.8	1,925,700	379,800	375,300	51.3	19,237,700
Griggs	38,200	36,200	46.8	1,694,400	107,500	104,000	46.4	4,825,900
Steele	30,900	29,800	53.0	1,580,700	150,500	150,200	49.3	7,398,600
Traill	15,600	15,600	51.4	802,600	182,400	182,100	50.0	9,102,900
East Central	191,600	185,100	50.8	9,409,900	1,126,100	1,108,600	48.8	54,100,600
Adams	67,900	66,600	21.1	1,402,200	67,100	59,900	14.0	835,700
Billings	24,300	24,200	23.7	573,900	8,200	6,800	13.0	88,100
Bowman	68,900	63,600	20.8	1,322,800	34,100	21,900	11.1	242,500
Golden Valley	52,900	50,800	28.2	1,433,600	39,500	36,900	17.9	659,800
Hettinger	132,600	130,100	30.0	3,900,000	113,400	105,700	15.9	1,679,000
Slope	67,200	65,700	24.8	1,628,100	44,300	39,500	9.9	391,400
Stark	108,300	103,300	21.2	2,190,900	66,200	60,400	16.5	996,500
Southwest	322,100	504,300	24.7	12,451,500	372,800	331,100	14.8	4,893,000
Burleigh	53,800	52,000	27.3	1,422,000	105,700	101,300	21.0	2,125,300
Emmons	42,700	30,800	20.7	638,700	168,300	94,200	16.2	1,522,800
Grant	63,700	54,400	18.0	981,400	66,300	39,400	9.6	380,100
Morton	65,800	54,400	20.0	1,087,000	89,200	56,000	12.0	672,100
Sioux	21,100	19,600	16.3	319,200	17,500	9,200	14.6	133,900
South Central	247,100	211,200	21.1	4,448,300	447,000	300,100	16.1	4,834,200
Dickey	28,000	26,400	39.3	1,037,500	145,600	144,400	32.4	4,673,200
LaMoure	60,300	59,400	43.8	2,599,100	186,600	185,000	37.3	6,907,600
Logan	35,000	34,700	29.2	1,014,300	90,800	87,900	25.6	2,251,500
McIntosh	42,800	42,700	26.8	1,146,400	116,200	114,800	17.6	2,020,600
Ransom	19,400	19,200	43.2	829,700	119,800	115,000	41.6	4,782,800
Richland	15,300	15,000	44.0	660,100	220,200	219,000	43.8	9,592,900
Sargent	18,700	17,200	44.5	766,000	139,700	138,200	36.9	5,096,000
Southeast	219,500	214,600	37.5	8,053,100	1,018,900	1,004,300	35.2	35,324,600
STATE	4,145,200	4,009,900	34.2	136,977,400	7,183,700	6,880,200	35.9	247,025,300

1/ See page 77 for irrigated acres.

ALL WHEAT

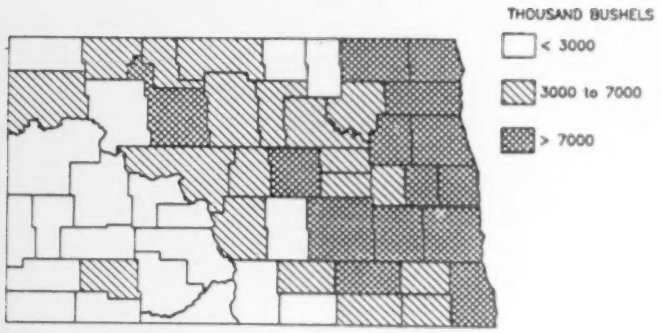
North Dakota, 1989 1/

District and County	Summer Fallow				Continuous Cropping			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	150,100	149,100	17.3	2,574,800	34,900	32,700	13.7	449,200
Divide	211,400	203,300	13.6	2,767,600	11,000	9,400	8.7	82,200
Mountrail	205,000	203,400	18.9	3,846,500	52,000	49,100	12.2	597,500
Renville	143,300	143,100	24.1	3,447,200	76,700	76,600	21.0	1,609,800
Ward	239,500	237,300	23.9	5,662,900	190,700	186,800	18.0	3,368,300
Williams	324,000	317,900	13.7	4,352,700	23,600	22,700	11.4	259,700
Northwest	1,273,300	1,254,100	18.1	22,651,700	388,900	377,300	16.9	6,366,700
Benson	153,900	143,000	20.2	2,892,100	119,800	102,700	16.0	1,641,700
Bottineau	186,600	184,400	28.2	5,195,100	196,700	195,300	23.5	4,581,500
McHenry	109,900	108,500	19.2	2,087,000	84,900	81,300	16.0	1,304,000
Pierce	111,600	92,000	17.5	1,611,600	64,600	56,500	14.3	807,100
Rolette	65,400	64,900	27.6	1,793,500	69,600	68,200	23.8	1,625,500
North Central	627,400	592,800	22.9	13,579,300	535,600	504,000	19.8	9,959,800
Cavalier	191,400	191,200	34.2	6,535,800	240,600	239,700	28.5	6,832,900
Grand Forks	72,800	72,700	36.6	2,659,400	195,400	194,900	35.5	6,921,800
Nelson	89,400	88,700	24.8	2,200,000	131,100	129,100	20.1	2,589,800
Pembina	64,300	63,900	46.6	2,976,900	220,000	218,800	43.1	9,436,600
Ramsey	140,700	140,000	27.2	3,812,800	154,700	153,400	23.7	3,636,800
Towner	137,700	136,700	28.8	3,935,300	133,600	132,100	24.8	3,281,300
Walsh	79,100	79,100	34.2	2,703,300	237,800	237,700	35.6	8,458,200
Northeast	775,400	772,300	32.1	24,823,500	1,313,200	1,305,700	31.5	41,157,400
Dunn	86,700	83,900	19.5	1,635,800	37,300	36,700	14.8	542,200
McKenzie	138,300	120,800	18.5	2,239,800	22,400	16,600	13.7	227,700
McLean	231,000	228,000	22.1	5,032,600	132,900	126,400	14.2	1,796,400
Mercer	69,100	66,500	23.8	1,582,800	19,800	16,400	17.3	283,200
Oliver	27,700	25,800	18.4	474,000	28,300	22,000	11.0	243,000
West Central	552,800	525,000	20.9	10,965,000	240,700	218,100	14.2	3,092,500
Eddy	33,300	32,400	21.1	684,800	61,200	60,000	14.0	840,800
Foster	50,700	50,300	22.6	1,139,100	94,100	92,900	19.2	1,783,400
Kidder	38,000	28,100	12.4	348,800	41,200	19,900	8.3	164,200
Sheridan	78,400	76,800	15.9	1,218,800	47,600	40,600	9.1	369,200
Stutsman	173,500	172,900	25.9	4,476,700	227,500	225,100	17.4	3,909,200
Wells	151,800	149,900	18.4	2,752,800	123,500	118,000	12.9	1,526,200
Central	525,700	510,400	20.8	10,621,000	595,100	556,500	15.4	8,593,000
Barnes	130,400	129,100	29.1	3,758,100	217,100	215,700	22.6	4,875,200
Cass	83,000	82,800	38.5	3,186,500	293,100	292,500	32.6	9,536,800
Griggs	43,900	43,900	26.7	1,173,800	90,200	89,900	20.6	1,854,200
Steele	51,700	51,700	31.8	1,646,600	110,000	109,900	27.7	3,048,200
Traill	34,400	34,400	42.9	1,474,500	145,100	145,000	33.1	4,801,100
East Central	343,400	341,900	32.9	11,239,500	855,500	853,000	28.3	24,115,500
Adams	87,200	86,200	21.0	1,812,400	36,800	35,300	15.1	532,100
Billings	24,300	23,000	18.5	424,800	10,500	8,300	17.8	147,900
Bowman	85,500	83,100	23.3	1,939,300	14,000	13,500	18.9	255,700
Golden Valley	73,700	70,600	26.0	1,834,700	20,300	19,700	23.0	452,400
Hettinger	141,900	140,100	24.2	3,396,100	93,800	92,400	16.4	1,518,300
Slope	78,600	77,900	25.6	1,990,600	23,300	22,600	20.1	454,300
Stark	124,100	121,900	16.4	2,000,500	60,500	50,900	10.4	529,200
Southwest	615,300	602,800	22.2	13,398,400	259,200	242,700	16.0	3,889,900
Burleigh	68,600	61,600	11.4	704,900	93,300	50,500	6.6	335,700
Emmons	66,500	49,700	9.2	455,300	134,200	76,900	8.8	674,700
Grant	70,500	64,100	15.6	1,003,100	62,600	51,200	11.6	591,800
Morton	97,800	90,600	16.7	1,515,100	54,400	35,000	10.4	363,900
Sioux	18,400	14,000	16.8	235,100	17,100	11,200	10.4	116,900
South Central	321,800	280,000	14.0	3,913,500	361,600	224,800	9.3	2,083,000
Dickey	47,400	45,400	24.7	1,120,900	120,000	117,900	20.6	2,430,700
LaMoure	103,600	101,600	28.5	2,900,100	134,400	133,500	24.5	3,266,000
Logan	51,400	46,700	19.7	918,700	72,800	50,100	12.1	606,300
McIntosh	63,700	60,800	15.9	963,800	89,300	82,300	12.5	1,027,200
Ransom	48,600	48,200	33.3	1,605,600	80,000	79,500	29.8	2,367,200
Richland	21,000	21,000	44.6	936,300	206,300	206,300	35.9	7,416,100
Sargent	37,600	37,300	37.9	1,415,500	119,200	118,600	32.1	3,801,900
Southeast	373,300	361,000	27.3	9,860,900	822,000	788,200	26.5	20,915,400
STATE	5,408,400	5,240,300	23.1	121,052,800	5,371,800	5,070,300	23.7	120,173,200

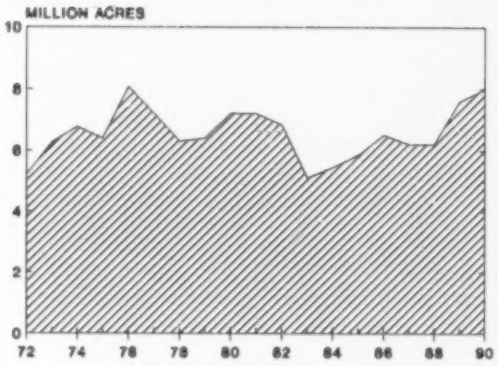
1/ See page 78 for irrigated acres.

SPRING WHEAT

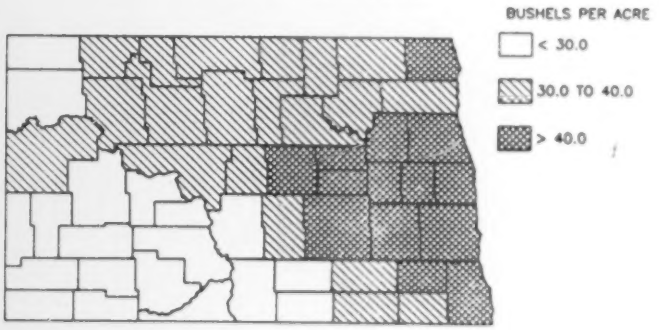
PRODUCTION
NORTH DAKOTA, 1990



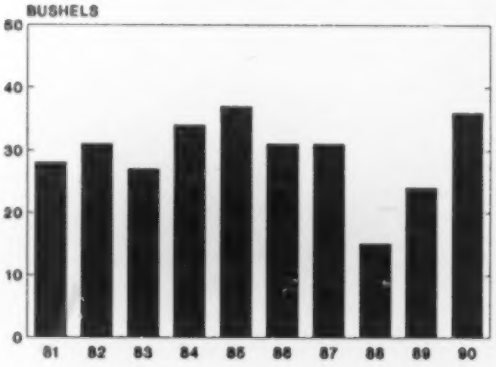
PLANTED ACRES
NORTH DAKOTA, 1972 - 90



YIELD PER ACRE
NORTH DAKOTA, 1990



YIELD PER ACRE
NORTH DAKOTA, 1981 - 90



North Dakota, 1981-90

Year	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Marketing Year Avg. Price	Value of Production	Value Per Harvested Acre
	(Acres)	(Acres)	(Bu.)	(Bu.)	($/Bu.)	(Dols.)	(Dols.)
1981	7,200,000	7,050,000	28.0	197,400,000	3.63	716,562,000	101.64
1982	6,850,000	6,750,000	31.0	209,250,000	3.51	734,468,000	108.81
1983	5,100,000	5,000,000	27.0	135,000,000	3.71	500,850,000	100.17
1984	5,450,000	5,400,000	34.0	183,600,000	3.53	648,108,000	120.02
1985	5,850,000	5,730,000	37.0	212,010,000	3.34	708,113,000	123.58
1986	6,500,000	6,400,000	31.0	198,400,000	2.52	499,968,000	78.12
1987	6,200,000	6,100,000	31.0	189,100,000	2.80	529,480,000	86.80
1988	6,200,000	4,700,000	15.0	70,500,000	3.78	266,490,000	56.70
1989	7,600,000	7,250,000	24.0	174,000,000	3.50	609,000,000	84.00
1990	8,000,000	7,700,000	36.0	277,200,000	2.45	679,140,000	88.20

SPRING WHEAT CONT.

North Dakota, 1990 and 5-Year Average, 1985-89

District and County	1990				5-Year Average, 1985-89			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	98,000	97,000	33.0	3,201,000	87,600	85,200	22.5	1,963,800
Divide	17,000	16,500	23.0	379,000	29,000	27,500	19.1	605,000
Mountrail	25,000	24,500	31.0	759,000	34,400	33,300	21.4	841,800
Renville	140,000	140,000	36.0	5,040,000	116,000	115,000	29.4	3,261,600
Ward	200,000	195,000	36.0	7,013,000	169,000	164,100	27.8	4,479,200
Williams	190,000	182,000	21.5	3,913,000	176,000	167,900	18.1	3,139,200
Northwest	670,000	655,000	31.0	20,305,000	612,000	593,000	23.8	14,290,600
Benson	92,000	92,000	38.5	3,542,000	60,200	54,300	23.1	1,305,800
Bottineau	155,000	155,000	38.0	5,890,000	103,200	101,700	29.7	2,991,400
McHenry	180,000	180,000	31.1	5,603,000	149,000	140,600	22.6	3,213,400
Pierce	100,000	100,000	32.5	3,250,000	85,200	73,700	19.3	1,518,200
Rolette	23,000	23,000	30.0	690,000	20,400	19,500	25.3	533,400
North Central	550,000	550,000	34.5	18,975,000	418,000	389,800	24.0	9,562,200
Cavalier	280,000	276,000	36.5	10,074,000	217,000	215,100	36.2	7,753,200
Grand Forks	280,000	280,000	49.5	13,860,000	225,000	223,700	39.3	8,729,000
Nelson	170,000	170,000	45.0	7,650,000	108,400	107,600	29.5	3,133,000
Pembina	290,000	289,000	46.0	13,294,000	239,000	233,800	41.1	9,752,800
Ramsey	145,000	140,000	35.5	4,970,000	102,200	100,300	29.8	2,994,400
Towner	45,000	45,000	32.5	1,463,000	19,400	18,800	31.0	579,400
Walsh	320,000	320,000	37.5	11,996,000	247,000	242,700	39.4	9,510,800
Northeast	1,530,000	1,520,000	41.6	63,307,000	1,158,000	1,142,000	37.2	42,452,600
Dunn	115,000	111,000	24.0	2,664,000	105,000	89,700	20.8	1,991,600
McKenzie	110,000	93,000	30.0	2,790,000	98,000	86,600	20.3	1,795,000
McLean	180,000	179,000	30.2	5,404,000	144,000	135,300	24.3	3,421,200
Mercer	80,000	77,000	27.0	2,079,000	69,000	62,000	25.7	1,669,200
Oliver	55,000	45,000	15.5	698,000	48,000	42,600	22.6	1,009,200
West Central	540,000	505,000	27.0	13,635,000	464,000	416,200	22.8	9,886,200
Eddy	85,000	85,000	41.5	3,528,000	64,600	61,800	22.9	1,419,200
Foster	140,000	140,000	47.5	6,650,000	108,600	105,000	26.7	2,727,200
Kidder	70,000	69,000	30.5	2,105,000	76,400	61,000	17.0	1,216,200
Sheridan	125,000	124,000	31.0	3,844,000	111,400	102,100	21.8	2,287,400
Stutsman	340,000	338,000	42.2	14,274,000	274,0	256,200	25.8	6,656,400
Wells	220,000	219,000	41.5	9,089,000	165,0	155,700	24.3	3,738,200
Central	980,000	975,000	40.5	39,490,000	800,000	741,800	24.1	18,044,600
Barnes	350,000	347,000	46.5	16,136,000	263,000	254,700	28.5	7,147,200
Cass	380,000	378,000	51.0	19,289,000	275,000	270,100	37.0	9,901,200
Griggs	130,000	130,000	47.0	6,110,000	102,000	100,400	28.4	2,805,800
Steele	170,000	170,000	50.0	8,500,000	129,000	127,200	33.9	4,264,200
Traill	190,000	190,000	50.0	9,500,000	143,000	142,200	40.0	5,653,200
East Central	1,220,000	1,215,000	49.0	59,535,000	912,000	894,600	33.7	29,771,600
Adams	105,000	97,000	17.0	1,649,000	99,600	88,100	20.7	1,960,600
Billings	30,000	29,000	21.5	624,000	32,200	25,900	17.6	496,600
Bowman	80,000	65,000	18.0	1,170,000	74,600	66,300	19.2	1,378,400
Golden Valley	65,000	63,000	24.5	1,544,000	54,000	46,500	19.4	1,006,600
Hettinger	220,000	210,000	23.0	4,834,000	186,000	174,700	23.7	4,256,800
Slope	95,000	90,000	19.5	1,755,000	75,600	71,100	22.8	1,647,400
Stark	155,000	146,000	19.0	2,774,000	142,000	128,300	20.8	2,777,600
Southwest	750,000	700,000	20.5	14,350,000	664,000	601,000	21.5	13,524,000
Burleigh	145,000	141,000	22.7	3,206,000	134,000	108,300	18.4	2,294,000
Emmons	205,000	121,000	17.5	2,117,000	177,000	135,300	17.0	2,666,600
Grant	125,000	90,000	14.5	1,305,000	106,000	91,900	20.1	1,944,000
Morton	150,000	107,000	16.0	1,712,000	131,000	109,400	22.1	2,583,400
Sioux	35,000	26,000	15.0	390,000	32,000	23,100	17.5	455,000
South Central	660,000	485,000	18.0	8,730,000	580,000	468,000	19.2	9,943,000
Dickey	150,000	150,000	34.0	5,100,000	117,000	107,900	22.2	2,467,400
LaMoure	220,000	220,000	39.0	8,580,000	159,000	146,900	25.3	3,781,200
Logan	120,000	117,000	26.5	3,101,000	99,200	81,900	20.8	1,822,800
McIntosh	150,000	149,000	20.0	2,980,000	124,000	102,100	17.3	1,951,000
Ransom	125,000	125,000	42.0	5,250,000	95,000	90,300	28.1	2,591,000
Richland	210,000	209,000	43.6	9,112,000	187,000	185,300	35.1	6,563,000
Sargent	125,000	125,000	38.0	4,750,000	80,800	75,200	27.5	2,150,800
Southeast	1,100,000	1,095,000	35.5	38,873,000	862,000	789,600	26.2	21,327,200
STATE	8,000,000	7,700,000	36.0	277,200,000	6,470,000	6,036,000	27.6	168,802,000

SPRING WHEAT

North Dakota, 1988 and 1989

District and County	1988				1989			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	73,000	66,000	16.5	1,089,000	100,000	99,000	15.5	1,534,000
Divide	17,000	15,000	10.5	158,000	13,000	12,700	16.0	203,000
Mountrail	20,000	17,500	7.5	132,000	32,000	31,800	14.5	461,000
Renville	120,000	116,500	17.0	1,980,000	145,000	145,000	22.0	3,190,000
Ward	175,000	160,000	12.5	2,006,000	210,000	206,500	20.6	4,250,000
Williams	165,000	140,000	7.5	1,055,000	200,000	195,000	14.0	2,730,000
Northwest	570,000	515,000	12.5	6,420,000	700,000	690,000	17.9	12,368,000
Benson	56,000	31,500	12.0	378,000	70,000	65,000	17.5	1,138,000
Bottineau	92,000	87,500	16.5	1,444,000	140,000	140,000	26.0	3,640,000
McHenry	140,000	109,000	9.5	1,036,000	175,000	171,000	17.7	3,020,000
Pierce	75,000	38,000	9.0	342,000	95,000	78,300	13.0	1,018,000
Rolette	17,000	14,000	11.5	161,000	20,000	19,700	21.0	414,000
North Central	380,000	280,000	12.0	3,361,000	500,000	474,000	19.5	9,230,000
Cavalier	200,000	193,000	19.0	3,667,000	275,000	274,500	32.5	8,921,000
Grand Forks	220,000	216,000	26.7	5,763,000	260,000	259,500	36.0	9,342,000
Nelson	100,000	99,000	19.0	1,881,000	125,000	124,000	21.5	2,666,000
Pembina	220,000	195,500	22.0	4,305,000	280,000	278,500	43.9	12,240,000
Ramsey	91,000	88,000	17.0	1,496,000	120,000	119,500	25.0	2,987,000
Towner	19,000	17,500	17.0	298,000	20,000	19,000	26.0	494,000
Walsh	240,000	226,000	22.5	5,096,000	290,000	290,000	36.0	10,440,000
Northeast	1,090,000	1,035,000	21.7	22,506,000	1,370,000	1,365,000	34.5	47,090,000
Dunn	100,000	44,500	7.5	334,000	120,000	117,000	18.0	2,106,000
McKenzie	105,000	72,000	9.0	648,000	115,000	102,500	20.5	2,101,000
McLean	130,000	94,000	9.9	929,000	165,000	159,000	16.6	2,643,000
Mercer	70,000	41,500	9.5	395,000	75,000	70,500	23.0	1,621,000
Oliver	45,000	28,000	8.0	224,000	55,000	47,000	15.0	705,000
West Central	450,000	280,000	9.0	2,530,000	530,000	496,000	18.5	9,176,000
Eddy	65,000	53,000	12.0	636,000	73,000	72,000	16.5	1,188,000
Foster	113,000	102,000	14.5	1,479,000	135,000	134,000	20.5	2,747,000
Kidder	65,000	18,500	6.5	121,000	72,000	42,500	10.5	446,000
Sheridan	107,000	72,000	8.5	612,000	125,000	116,500	13.5	1,572,000
Stutsman	280,000	204,000	12.7	2,591,000	330,000	329,000	21.4	7,039,000
Wells	160,000	125,500	11.5	1,444,000	205,000	200,000	15.5	3,100,000
Central	790,000	575,000	12.0	6,883,000	940,000	894,000	18.0	16,092,000
Barnes	275,000	244,000	15.5	3,782,000	330,000	328,500	25.0	8,212,000
Cass	265,000	248,000	19.1	4,745,000	330,000	329,500	33.8	11,144,000
Griggs	105,000	100,000	18.0	1,800,000	115,000	115,000	22.5	2,587,000
Steele	130,000	125,000	24.0	3,000,000	155,000	155,000	29.0	4,495,000
Traill	135,000	133,000	31.0	4,123,000	170,000	170,000	35.0	5,950,000
East Central	910,000	850,000	20.5	17,450,000	1,100,000	1,098,000	29.5	32,388,000
Adams	93,000	47,000	7.0	330,000	110,000	108,600	19.0	2,063,000
Billings	36,000	18,000	6.5	117,000	30,000	27,700	18.0	499,000
Bowman	60,000	32,000	8.0	256,000	75,000	73,700	21.5	1,585,000
Golden Valley	48,000	22,000	6.0	132,000	65,000	62,800	25.0	1,570,000
Hettinger	180,000	134,000	8.8	1,181,000	215,000	212,700	21.0	4,460,000
Slope	78,000	61,000	9.0	549,000	85,000	84,000	24.3	2,041,000
Stark	135,000	86,000	7.5	645,000	160,000	150,500	14.5	2,182,000
Southwest	630,000	400,000	8.0	3,210,000	740,000	720,000	20.0	14,400,000
Burleigh	115,000	42,000	6.5	273,000	140,000	95,500	9.0	859,000
Emmons	165,000	38,500	5.5	212,000	200,000	126,500	9.3	1,172,000
Grant	100,000	55,000	8.0	440,000	125,000	109,000	14.0	1,522,000
Morton	125,000	62,000	7.6	474,000	150,000	124,000	15.0	1,857,000
Sioux	25,000	7,500	5.5	41,000	35,000	25,000	14.0	350,000
South Central	530,000	205,000	7.0	1,440,000	650,000	480,000	12.0	5,760,000
Dickey	120,000	79,000	9.5	751,000	145,000	144,500	22.0	3,184,000
LaMoure	170,000	116,000	12.0	1,392,000	210,000	209,700	26.0	5,452,000
Logan	96,000	38,500	9.5	366,000	120,000	93,000	15.5	1,442,000
McIntosh	120,000	30,500	6.0	183,000	140,000	131,900	14.0	1,834,000
Ransom	90,000	72,500	10.5	762,000	115,000	114,800	30.5	3,502,000
Richland	170,000	164,500	16.1	2,656,000	215,000	215,000	36.6	7,875,000
Sargent	84,000	59,000	10.0	590,000	125,000	125,000	33.7	4,207,000
Southeast	850,000	560,000	12.0	6,700,000	1,070,000	1,033,000	26.6	27,496,000
STATE	6,200,000	4,700,000	15.0	70,500,000	7,600,000	7,250,000	24.0	174,000,000

SPRING WHEAT

North Dakota, 1990 1/

District and County	Summer Fallow				Continuous Cropping			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	73,500	72,700	34.0	2,468,800	24,500	24,300	30.1	732,200
Divide	14,800	14,300	22.9	327,000	1,800	1,800	16.9	30,400
Mountrail	15,200	15,100	33.9	511,700	9,800	9,400	26.3	247,300
Renville	78,700	78,700	38.2	3,005,000	61,300	61,300	33.2	2,035,000
Ward	81,000	80,300	39.1	3,136,700	118,800	114,500	33.8	3,867,900
Williams	169,700	166,800	21.8	3,642,400	18,400	13,800	14.2	195,700
Northwest	432,900	427,900	30.6	13,091,600	234,600	225,100	31.6	7,108,500
Benson	32,400	32,400	43.4	1,405,400	59,100	59,100	35.8	2,114,100
Bottineau	62,600	62,600	41.3	2,583,900	92,400	92,400	35.8	3,306,100
McHenry	71,100	71,100	35.0	2,489,400	108,900	108,900	28.6	3,113,600
Pierce	33,000	33,000	36.5	1,204,400	67,000	67,000	30.5	2,045,600
Rolette	6,000	6,000	36.0	216,200	17,000	17,000	27.9	473,800
North Central	205,100	205,100	38.5	7,899,300	344,400	344,400	32.1	11,053,200
Cavalier	61,900	60,500	39.7	2,403,000	218,100	215,500	35.6	7,671,000
Grand Forks	33,900	33,900	50.1	1,697,700	245,100	245,100	49.4	12,102,800
Nelson	35,700	35,700	51.1	1,824,100	134,300	134,300	43.4	5,825,900
Pembina	27,600	27,600	45.9	1,267,100	262,400	261,400	46.0	12,026,900
Ramsey	48,400	45,500	41.3	1,877,400	96,600	94,500	32.7	3,092,600
Towner	14,900	14,900	36.1	537,300	30,100	30,100	30.8	925,700
Walsh	39,400	39,400	39.5	1,554,600	280,500	280,500	37.2	10,434,900
Northeast	261,800	257,500	43.3	11,161,200	1,267,100	1,261,400	41.3	52,079,800
Dunn	60,400	59,600	28.6	1,706,000	54,500	51,300	18.5	951,000
McKenzie	84,300	71,400	28.1	2,008,800	19,900	15,900	22.1	350,800
McLean	82,400	82,400	34.9	2,878,400	96,600	95,600	25.9	2,480,600
Mercer	53,300	52,000	30.7	1,595,800	26,700	25,000	19.3	483,200
Oliver	23,900	21,400	20.4	436,600	31,000	23,500	10.9	255,900
West Central	304,300	286,800	30.1	8,625,600	228,700	211,300	21.4	4,521,500
Eddy	23,800	23,800	41.0	976,900	61,100	61,100	41.7	2,545,100
Foster	31,900	31,900	51.3	1,635,400	107,700	107,700	46.3	4,988,600
Kidder	21,600	21,500	34.8	748,000	47,900	47,000	28.3	1,329,000
Sheridan	48,800	48,500	32.8	1,592,700	76,200	75,500	29.8	2,251,300
Stutsman	91,000	90,800	46.5	4,222,900	248,900	247,100	40.7	10,045,400
Wells	76,600	76,600	45.3	3,470,600	143,400	142,400	39.5	5,618,400
Central	293,700	293,100	43.1	12,646,500	685,200	680,800	39.3	26,777,800
Barnes	65,800	65,600	50.8	3,332,500	283,900	281,100	45.5	12,784,000
Cass	32,700	32,600	53.6	1,746,400	346,400	344,500	50.8	17,485,000
Griggs	33,200	33,200	47.9	1,589,500	96,500	96,500	46.7	4,504,000
Steele	28,600	28,600	53.4	1,527,200	141,300	141,300	49.3	6,966,800
Traill	15,000	15,000	51.5	772,100	175,000	175,000	49.9	8,727,900
East Central	175,300	175,000	51.2	8,967,700	1,043,100	1,038,400	48.6	50,467,700
Adams	57,400	56,500	20.8	1,176,400	47,600	40,500	11.7	472,600
Billings	23,300	23,200	23.5	544,500	6,700	5,800	13.7	79,500
Bowman	55,400	50,700	20.0	1,016,500	24,600	14,300	10.7	153,500
Golden Valley	39,000	37,200	28.4	1,055,400	25,900	25,700	18.8	482,100
Hettinger	117,700	115,400	29.1	3,355,200	102,300	94,600	15.6	1,478,800
Slope	59,300	58,400	24.7	1,444,300	35,700	31,600	9.8	310,700
Stark	95,200	91,000	20.9	1,902,200	59,800	55,000	15.9	871,800
Southwest	447,300	432,400	24.3	10,494,500	302,600	267,500	14.4	3,849,000
Burleigh	46,400	46,000	26.4	1,216,000	98,600	95,000	20.9	1,990,000
Emmons	40,800	29,300	20.7	606,000	163,700	91,200	16.2	1,473,500
Grant	61,800	52,600	18.1	949,500	63,200	37,400	9.5	355,500
Morton	63,500	53,200	20.1	1,067,500	86,500	53,800	12.0	644,500
Sioux	19,600	18,400	15.5	284,600	15,000	7,400	12.9	95,400
South Central	232,100	199,500	20.7	4,123,600	427,000	284,800	16.0	4,558,900
Dickey	22,700	22,700	40.4	917,900	126,900	126,900	32.8	4,159,300
LaMoure	54,600	54,600	43.8	2,392,500	164,800	164,800	37.3	6,146,700
Logan	33,600	33,400	29.1	973,600	86,200	83,400	25.4	2,118,200
McIntosh	40,800	40,800	26.8	1,093,700	109,200	108,200	17.4	1,886,300
Ransom	15,000	15,000	44.5	666,800	109,700	109,700	41.6	4,566,700
Richland	13,700	13,600	44.3	602,100	196,300	195,400	43.6	8,509,900
Sargent	13,100	13,100	47.8	625,600	111,900	111,900	36.9	4,124,400
Southeast	193,500	193,200	37.6	7,272,200	905,000	900,300	35.0	31,511,500
STATE	2,546,000	2,470,500	34.1	84,282,200	5,437,700	5,214,000	36.8	191,927,900

1/ See page 77 for irrigated acres.

SPRING WHEAT

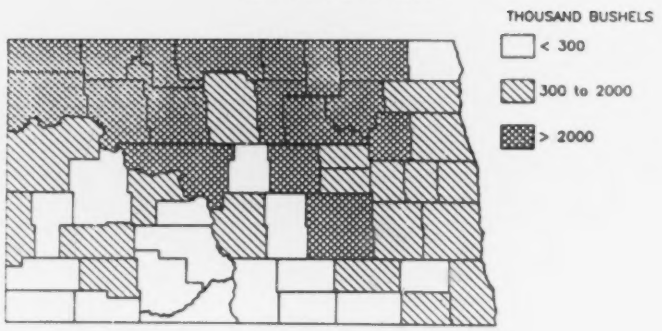
North Dakota, 1989 1/

District and County	Summer Fallow				Continuous Cropping			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	79,300	79,300	16.1	1,278,300	20,700	19,700	13.0	255,700
Divide	12,400	12,100	16.2	196,200	600	600	11.3	6,800
Mountrail	24,300	24,300	15.6	379,600	7,700	7,500	10.9	81,400
Renville	97,400	97,400	23.6	2,297,500	47,600	47,600	18.8	892,500
Ward	109,800	108,500	23.6	2,559,000	100,100	97,900	17.2	1,686,500
Williams	187,400	183,000	13.9	2,544,900	11,500	10,900	10.6	116,000
Northwest	510,600	504,600	18.3	9,255,500	188,200	184,200	16.5	3,038,900
Benson	39,100	37,600	19.1	717,900	30,000	26,500	14.0	370,900
Bottineau	71,300	71,300	28.3	2,020,900	68,700	68,700	23.6	1,619,100
McHenry	99,800	98,800	18.9	1,865,700	75,000	72,000	15.9	1,145,300
Pierce	61,800	49,300	13.9	685,100	33,200	29,000	11.5	332,900
Rolette	8,600	8,300	24.1	199,700	11,400	11,400	18.8	214,300
North Central	280,600	265,300	20.7	5,489,300	218,300	207,600	17.7	3,682,500
Cavalier	112,200	112,200	35.7	4,005,000	162,800	162,300	30.3	4,916,000
Grand Forks	68,600	68,600	36.7	2,518,300	190,600	190,200	35.7	6,788,700
Nelson	50,100	49,700	24.0	1,192,700	74,900	74,300	19.8	1,473,300
Pembina	63,600	63,200	46.7	2,951,600	216,400	215,300	43.1	9,288,400
Ramsey	53,500	53,500	27.9	1,494,700	66,500	66,000	22.6	1,492,300
Towner	7,400	7,400	31.0	229,100	12,600	11,600	22.8	264,900
Walsh	70,200	70,200	35.4	2,483,200	219,700	219,700	36.2	7,952,300
Northeast	425,600	424,800	35.0	14,874,600	943,500	939,400	34.3	32,175,900
Dunn	83,500	81,000	19.5	1,576,000	36,500	36,000	14.7	530,000
McKenzie	89,900	82,200	18.4	1,512,000	19,000	14,200	13.8	195,500
McLean	88,800	88,200	19.1	1,682,000	75,600	70,200	13.2	928,000
Mercer	59,600	57,900	24.1	1,397,500	15,300	12,500	17.5	218,500
Oliver	27,700	25,800	18.4	474,000	27,300	21,200	10.9	231,000
West Central	349,500	335,100	19.8	6,641,500	173,700	154,100	13.6	2,103,000
Eddy	24,500	24,200	20.7	500,700	48,400	47,700	14.3	683,300
Foster	47,100	47,000	22.9	1,076,500	87,500	86,600	19.1	1,654,300
Kidder	33,300	24,300	12.0	291,800	38,400	18,000	8.2	147,200
Sheridan	77,800	76,200	15.8	1,207,600	47,200	40,300	9.0	364,400
Stutsman	138,900	138,700	26.2	3,634,000	191,100	190,300	17.9	3,405,000
Wells	114,200	113,500	18.0	2,040,000	90,800	86,500	12.3	1,060,000
Central	435,800	423,900	20.6	8,750,600	503,400	469,400	15.6	7,314,200
Barnes	123,400	123,200	29.2	3,593,800	206,300	205,000	22.5	4,604,700
Cass	68,600	68,600	38.8	2,659,600	261,000	260,500	32.5	8,464,400
Griggs	39,700	39,700	26.9	1,067,800	74,900	74,900	20.0	1,499,200
Steele	50,200	50,200	31.7	1,591,600	104,500	104,500	27.7	2,889,900
Traill	32,000	32,000	43.3	1,384,600	138,000	138,000	33.1	4,565,400
East Central	313,900	313,700	32.8	10,297,400	784,700	782,900	28.1	22,023,600
Adams	74,800	74,800	20.8	1,559,200	35,200	33,800	14.9	503,800
Billings	20,900	19,900	18.1	360,000	9,100	7,800	17.8	139,000
Bowman	62,900	62,000	22.2	1,376,100	12,100	11,700	17.9	208,900
Golden Valley	50,200	48,600	25.7	1,248,900	14,800	14,200	22.6	321,100
Hettinger	126,200	124,500	24.1	3,002,000	88,800	88,200	16.5	1,458,000
Slope	67,600	67,000	25.5	1,706,000	17,400	17,000	19.7	335,000
Stark	106,400	105,200	16.3	1,719,300	53,600	45,300	10.2	462,700
Southwest	509,000	502,000	21.9	10,971,500	231,000	218,000	15.7	3,428,500
Burleigh	56,800	52,400	10.6	555,900	83,200	43,100	7.0	303,100
Emmons	65,800	49,300	9.2	452,200	133,400	76,500	8.8	671,800
Grant	65,800	60,300	15.8	954,200	59,200	48,700	11.7	567,800
Morton	96,600	89,600	16.7	1,498,700	53,400	34,400	10.4	358,300
Sioux	18,200	13,900	16.8	234,100	16,800	11,100	10.4	115,900
South Central	303,200	265,500	13.9	3,695,100	346,000	213,800	9.4	2,016,900
Dickey	40,700	40,600	24.9	1,009,000	104,300	103,900	20.9	2,175,000
LaMoure	92,200	92,000	28.5	2,620,100	117,900	117,500	24.0	2,822,400
Logan	49,400	44,900	19.3	866,500	70,500	48,000	11.9	570,500
McIntosh	57,400	54,900	15.9	871,200	82,600	76,100	12.7	962,800
Ransom	39,400	39,300	32.3	1,271,000	75,300	75,200	29.4	2,213,000
Richland	20,000	20,000	44.7	894,900	195,000	195,000	35.8	6,980,100
Sargent	32,600	32,600	38.1	1,241,000	92,400	92,400	32.1	2,966,000
Southeast	331,700	324,300	27.1	8,773,700	737,700	708,100	26.4	18,689,800
STATE	3,459,900	3,359,200	23.4	78,749,200	4,126,500	3,877,500	24.4	94,473,300

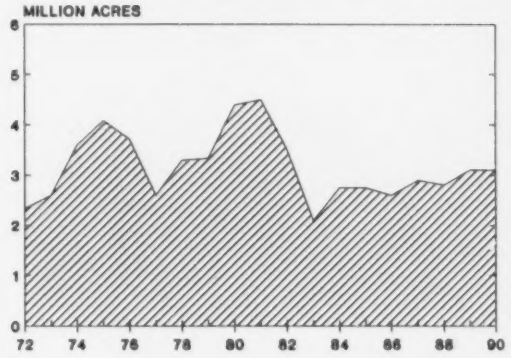
1/ See page 78 for irrigated acres.

DURUM WHEAT

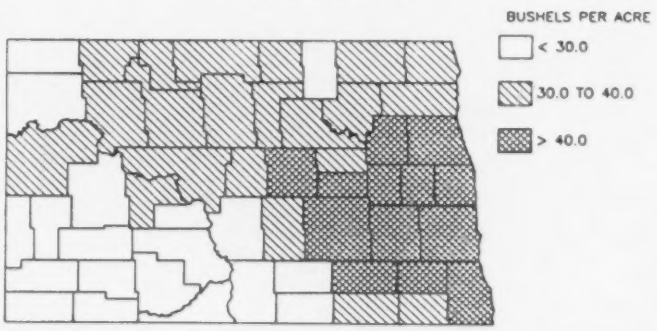
PRODUCTION
NORTH DAKOTA, 1990



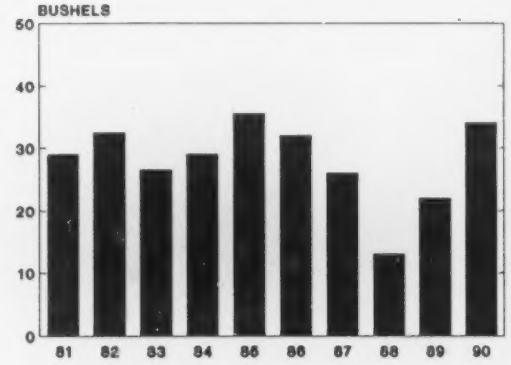
PLANTED ACRES
NORTH DAKOTA, 1972 - 90



YIELD PER ACRE
NORTH DAKOTA, 1990



YIELD PER ACRE
NORTH DAKOTA, 1981 - 90



North Dakota, 1981-90

Year	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Marketing Year Avg. Price	Value of Production	Value Per Harvested Acre
	(Acres)	(Acres)	(Bu.)	(Bu.)	($/Bu.)	(Dols.)	(Dols.)
1981	4,500,000	4,410,000	29.0	127,890,000	3.50	447,615,000	101.50
1982	3,500,000	3,410,000	32.5	110,825,000	3.42	379,022,000	111.15
1983	2,090,000	2,050,000	26.5	54,325,000	3.97	215,670,000	105.20
1984	2,750,000	2,710,000	29.0	78,590,000	3.76	295,498,000	109.04
1985	2,750,000	2,690,000	35.5	95,495,000	3.16	301,764,000	112.18
1986	2,600,000	2,500,000	32.0	80,000,000	2.66	212,800,000	85.12
1987	2,900,000	2,850,000	26.0	74,100,000	3.38	250,458,000	87.88
1988	2,800,000	2,400,000	13.0	31,200,000	4.60	143,520,000	59.80
1989	3,100,000	3,000,000	22.0	66,000,000	3.32	219,120,000	73.04
1990	3,100,000	3,050,000	34.0	103,700,000	2.55	264,435,000	86.70

DURUM WHEAT CONT.

North Dakota, 1990 and 5-Year Average, 1985-89

District and County	1990				5-Year Average, 1985-89			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	85,000	84,000	36.5	3,066,000	72,000	69,100	24.0	1,601,200
Divide	200,000	196,000	26.0	5,096,000	168,000	159,400	20.5	3,226,600
Mountrail	250,000	243,000	33.0	8,030,000	192,000	185,300	23.7	4,300,000
Renville	85,000	85,000	39.5	3,358,000	69,000	67,700	28.2	1,946,400
Ward	240,000	235,000	36.4	8,562,000	204,000	194,500	25.9	5,110,200
Williams	170,000	161,000	23.0	3,703,000	118,000	113,000	19.1	2,049,400
Northwest	1,030,000	1,004,000	31.7	31,815,000	823,000	789,000	23.5	18,233,800
Benson	200,000	200,000	37.5	7,500,000	173,000	154,900	23.5	3,707,400
Bottineau	240,000	240,000	38.2	9,174,000	214,000	207,200	28.1	5,742,400
McHenry	25,000	24,500	37.0	907,000	29,400	26,800	24.1	692,400
Pierce	85,000	85,000	34.0	2,890,000	70,600	64,400	21.9	1,440,200
Rolette	120,000	118,500	33.0	3,911,000	105,000	102,100	27.4	2,758,800
North Central	670,000	668,000	36.5	24,382,000	592,000	555,400	25.8	14,341,200
Cavalier	185,000	184,000	32.5	5,980,000	137,000	133,800	33.1	4,395,600
Grand Forks	6,500	6,500	56.5	367,000	11,200	11,000	35.6	421,400
Nelson	75,000	75,000	42.5	3,188,000	90,600	88,400	27.8	2,474,400
Pembina	5,500	5,500	40.0	220,000	4,000	3,900	38.8	139,000
Ramsey	180,000	177,000	34.0	6,018,000	165,000	160,700	27.7	4,394,400
Towner	240,000	239,000	29.0	6,925,000	216,000	210,600	28.0	5,882,400
Walsh	18,000	18,000	31.5	567,000	29,200	27,900	29.8	862,200
Northeast	710,000	705,000	33.0	23,265,000	653,000	636,400	29.3	18,569,400
Dunn	4,000	4,000	29.0	116,000	4,200	3,700	22.3	82,600
McKenzie	46,000	41,000	31.0	1,271,000	45,400	39,600	20.7	887,600
McLean	210,000	207,000	33.4	6,916,000	180,800	174,000	24.6	4,281,200
Mercer	9,000	9,000	35.0	315,000	12,700	11,900	26.0	342,200
Oliver	1,000	1,000	28.0	28,000	900	800	21.1	14,000
West Central	270,000	262,000	33.0	8,646,000	244,000	230,000	24.0	5,607,600
Eddy	19,000	19,000	37.0	703,000	15,400	14,800	22.4	330,800
Foster	9,000	9,000	44.4	400,000	12,300	11,500	23.7	311,400
Kidder	6,500	6,500	30.0	195,000	9,600	8,500	17.3	170,200
Sheridan	3,500	3,500	30.0	105,000	5,100	4,800	22.5	137,000
Stutsman	54,000	53,500	41.0	2,194,000	83,400	78,000	24.5	2,079,000
Wells	58,000	57,500	45.0	2,587,000	65,200	61,700	24.5	1,520,200
Central	150,000	149,000	41.5	6,184,000	191,000	179,200	23.8	4,548,600
Barnes	13,500	13,500	49.5	668,000	18,000	17,200	27.2	513,000
Cass	31,000	31,000	58.4	1,811,000	33,600	32,500	37.4	1,247,000
Griggs	9,000	9,000	43.0	387,000	12,200	11,800	27.6	324,000
Steele	9,500	9,500	49.5	470,000	6,400	6,300	31.9	206,800
Traill	7,000	7,000	53.4	374,000	7,200	7,100	37.0	256,000
East Central	70,000	70,000	53.0	3,710,000	77,400	74,800	32.7	2,546,800
Adams	10,000	10,000	19.5	195,000	9,200	8,600	22.9	212,000
Billings	1,000	1,000	28.0	28,000	1,000	900	16.2	16,800
Bowman	15,000	13,000	18.0	234,000	20,100	16,700	22.8	431,200
Golden Valley	18,000	17,500	21.5	377,000	18,300	16,100	21.6	362,000
Hettinger	20,000	20,000	28.7	574,000	23,800	22,800	25.7	610,400
Slope	14,000	13,500	16.0	216,000	13,400	12,800	23.7	308,800
Stark	17,000	16,000	23.5	376,000	16,200	14,700	22.9	335,700
Southwest	95,000	91,000	22.0	2,000,000	102,000	94,600	23.5	2,277,000
Burleigh	12,000	11,000	28.5	314,000	14,200	10,900	20.5	226,400
Emmons	4,000	2,500	18.0	45,000	4,000	3,100	15.1	58,800
Grant	1,500	1,300	14.6	19,000	3,700	3,200	18.3	60,800
Morton	1,000	700	17.1	12,000	3,800	3,000	19.1	58,200
Sioux	1,500	1,000	16.0	16,000	5,500	4,400	14.8	72,400
South Central	20,000	16,500	24.6	406,000	31,200	24,600	18.1	476,600
Dickey	9,000	8,700	34.0	296,000	21,600	18,900	22.2	450,800
LaMoure	20,000	20,000	40.5	810,000	27,800	24,800	24.4	639,000
Logan	3,000	3,000	27.7	83,000	9,100	7,500	22.1	187,000
McIntosh	7,000	6,800	22.5	153,000	13,500	10,900	17.1	209,000
Ransom	4,500	4,500	42.0	189,000	6,400	5,600	29.3	161,000
Richland	24,000	24,000	46.0	1,104,000	17,100	16,800	36.8	563,600
Sargent	17,500	17,500	37.5	657,000	20,900	19,500	27.3	547,600
Southeast	85,000	84,500	39.0	3,292,000	116,400	104,000	25.7	2,758,000
STATE	3,100,000	3,050,000	34.0	103,700,000	2,830,000	2,688,000	25.7	69,359,000

DURUM WHEAT

North Dakota, 1988 and 1989

District and County	1988				1989			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	80,000	70,500	15.0	1,058,000	85,000	82,800	18.0	1,490,000
Divide	175,000	159,000	12.0	1,908,000	210,000	200,900	13.5	2,712,000
Mountrail	195,000	175,000	11.3	1,978,000	225,000	220,700	18.0	3,983,000
Renville	60,000	56,000	17.0	952,000	75,000	74,700	25.0	1,867,000
Ward	190,000	165,000	12.0	1,980,000	220,000	217,500	22.0	4,785,000
Williams	130,000	114,500	8.5	974,000	150,000	148,400	14.0	2,078,000
Northwest	830,000	740,000	12.0	8,850,000	965,000	945,000	17.9	16,915,000
Benson	180,000	120,000	10.5	1,260,000	205,000	182,000	19.0	3,458,000
Bottineau	220,000	200,000	14.6	2,921,000	240,000	236,500	25.5	6,035,000
McHenry	30,000	23,000	10.5	242,000	20,000	19,000	20.0	380,000
Pierce	70,000	53,500	10.5	562,000	80,000	69,100	20.0	1,382,000
Rolette	110,000	103,500	14.5	1,500,000	115,000	113,400	26.5	3,005,000
North Central	610,000	500,000	13.0	6,485,000	660,000	620,000	23.0	14,260,000
Cavalier	140,000	134,500	18.0	2,421,000	155,000	154,500	28.5	4,403,000
Grand Forks	10,000	9,500	21.5	204,000	5,000	5,000	29.0	145,000
Nelson	90,000	84,000	16.5	1,386,000	89,000	88,500	22.5	1,991,000
Pembina	7,000	6,500	22.0	143,000	4,000	4,000	42.0	168,000
Ramsey	170,000	158,500	15.0	2,378,000	175,000	173,500	25.6	4,450,000
Towner	210,000	200,000	15.8	3,162,000	250,000	248,600	26.9	6,689,000
Walsh	23,000	22,000	14.0	308,000	27,000	26,900	27.0	726,000
Northeast	650,000	615,000	16.3	10,002,000	705,000	701,000	26.5	18,572,000
Dunn	3,000	1,900	8.4	16,000	4,000	3,600	20.0	72,000
McKenzie	33,000	19,000	8.0	152,000	51,000	40,600	18.5	751,000
McLean	174,000	151,500	9.0	1,370,000	200,000	196,500	21.6	4,249,000
Mercer	8,000	6,000	10.5	63,000	14,000	12,500	20.0	250,000
Oliver	2,000	1,600	7.5	12,000	1,000	800	15.0	12,000
West Central	220,000	180,000	9.0	1,613,000	270,000	254,000	21.0	5,334,000
Eddy	14,000	12,500	11.0	138,000	20,000	19,100	16.0	305,000
Foster	9,000	6,500	9.5	62,000	8,500	8,200	19.5	160,000
Kidder	6,500	4,000	6.0	24,000	7,500	5,700	13.0	74,000
Sheridan	2,500	1,500	6.0	9,000	1,000	900	17.8	16,000
Stutsman	59,000	43,000	11.0	473,000	68,000	66,400	19.5	1,295,000
Wells	69,000	57,500	10.6	610,000	70,000	67,700	17.3	1,174,000
Central	160,000	125,000	10.5	1,316,000	175,000	168,000	18.0	3,024,000
Barnes	8,500	7,000	13.0	91,000	13,500	13,500	27.0	365,000
Cass	33,500	31,000	18.5	575,000	38,500	38,500	35.1	1,351,000
Griggs	13,000	11,500	17.5	201,000	16,500	16,500	23.0	380,000
Steele	5,500	5,200	19.8	103,000	6,000	6,000	31.5	189,000
Traill	8,500	8,300	31.0	257,000	5,500	5,500	35.5	195,000
East Central	69,000	63,000	19.5	1,227,000	80,000	80,000	31.0	2,480,000
Adams	4,000	3,300	6.4	21,000	12,500	12,400	22.0	273,000
Billings	1,000	700	8.6	6,000	3,500	3,400	20.0	68,000
Bowman	21,500	18,000	8.5	153,000	22,000	21,900	27.0	591,000
Golden Valley	17,500	10,500	6.5	68,000	27,000	26,400	25.9	683,000
Hettinger	19,000	17,000	10.5	179,000	19,500	19,400	23.0	446,000
Slope	13,000	11,000	9.0	99,000	16,500	16,400	24.5	402,000
Stark	14,000	9,500	7.5	71,000	24,000	22,100	15.5	343,000
Southwest	90,000	70,000	8.5	597,000	125,000	122,000	23.0	2,806,000
Burleigh	16,500	5,500	6.4	35,000	21,500	16,400	10.9	179,000
Emmons	4,000	1,300	5.4	7,000	1,500	800	7.5	6,000
Grant	1,000	500	8.0	4,000	7,500	6,000	11.0	66,000
Morton	6,000	3,500	8.9	31,000	2,200	1,600	13.8	22,000
Sioux	8,500	4,200	5.0	21,000	300	200	10.0	2,000
South Central	36,000	15,000	6.5	98,000	33,000	25,000	11.0	275,000
Dickey	25,000	16,000	7.0	112,000	16,000	15,700	19.0	298,000
LaMoure	26,000	17,000	11.5	196,000	21,000	20,700	29.3	606,000
Logan	8,500	2,600	8.5	22,000	4,300	3,900	22.6	88,000
McIntosh	13,500	3,800	6.6	25,000	13,000	12,100	13.0	157,000
Ransom	10,000	6,600	11.5	76,000	4,400	4,300	36.0	155,000
Richland	29,000	28,000	16.3	455,000	10,000	10,000	39.0	390,000
Sargent	23,000	18,000	7.0	126,000	18,300	18,300	35.0	640,000
Southeast	135,000	92,000	11.0	1,012,000	87,000	85,000	27.5	2,334,000
STATE	2,800,000	2,400,000	13.0	31,200,000	3,100,000	3,000,000	22.0	66,000,000

DURUM WHEAT

North Dakota, 1990 1/

District and County	Summer Fallow				Continuous Cropping			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	67,600	66,700	37.2	2,480,900	17,400	17,300	33.8	585,100
Divide	186,200	182,400	26.4	4,809,000	13,000	12,900	20.3	262,500
Mountrail	175,000	168,400	33.9	5,708,700	75,000	74,600	31.1	2,321,300
Renville	48,300	48,300	42.0	2,030,700	36,700	36,700	36.2	1,327,300
Ward	101,000	96,700	40.0	3,870,500	139,000	138,300	33.9	4,691,500
Williams	160,200	151,800	23.0	3,489,500	7,500	7,200	14.4	103,500
Northwest	738,300	714,300	31.3	22,389,300	288,600	287,000	32.4	9,291,200
Benson	83,000	83,000	40.6	3,366,300	116,800	116,800	35.3	4,124,400
Bottineau	95,800	95,800	40.7	3,899,700	144,200	144,200	36.6	5,274,300
McHenry	7,900	7,900	40.4	318,800	17,100	16,600	35.4	588,200
Pierce	36,700	36,700	38.8	1,423,400	48,300	48,300	30.4	1,466,600
Rolette	42,200	42,200	36.8	1,554,600	77,800	76,300	30.9	2,356,400
North Central	265,600	265,600	39.8	10,562,800	404,200	402,200	34.3	13,809,900
Cavalier	48,800	48,600	38.3	1,863,200	136,200	135,400	30.4	4,116,800
Grand Forks	600	600	51.8	31,100	5,900	5,900	56.9	335,900
Nelson	18,800	18,800	43.3	813,300	56,200	56,200	42.3	2,374,700
Pembina	400	400	37.3	14,900	5,100	5,100	40.2	205,100
Ramsey	45,900	45,300	37.8	1,714,100	134,100	131,700	32.7	4,303,900
Towner	87,100	87,100	34.8	3,032,800	152,900	151,900	25.6	3,892,200
Walsh	4,200	4,200	35.9	150,900	13,800	13,800	30.2	416,100
Northeast	205,800	205,000	37.2	7,620,300	504,200	500,000	31.3	15,644,700
Dunn	3,000	3,000	31.2	93,600	1,000	1,000	22.4	22,400
McKenzie	40,400	36,000	32.0	1,153,400	5,200	4,600	20.1	92,400
McLean	123,500	122,100	35.6	4,344,000	86,400	84,800	30.3	2,567,500
Mercer	7,500	7,500	37.8	283,500	1,500	1,500	21.0	31,500
Oliver	800	800	29.6	23,700	200	200	21.5	4,300
West Central	175,200	169,400	34.8	5,898,200	94,300	92,100	29.5	2,718,100
Eddy	6,700	6,700	38.2	256,000	12,300	12,300	36.3	447,000
Foster	2,300	2,300	38.9	89,500	6,500	6,500	45.9	298,500
Kidder	2,500	2,500	33.3	83,200	4,000	4,000	28.0	111,800
Sheridan	1,900	1,900	32.9	62,600	1,600	1,600	26.5	42,400
Stutsman	18,800	18,700	41.6	777,900	35,200	34,800	40.7	1,416,100
Wells	19,800	19,800	46.2	914,400	38,200	37,700	44.4	1,672,600
Central	52,000	51,900	42.1	2,183,600	97,800	96,900	41.2	3,988,400
Barnes	1,100	1,100	44.2	48,600	12,400	12,400	50.0	619,400
Cass	2,100	2,100	62.3	130,900	28,200	28,200	58.3	1,643,700
Griggs	1,900	1,900	40.6	77,100	7,100	7,100	43.6	309,900
Steele	1,000	1,000	45.6	45,600	8,500	8,500	49.9	424,400
Traill	400	400	55.3	22,100	6,600	6,600	53.3	351,900
East Central	6,500	6,500	49.9	324,300	62,800	62,800	53.3	3,349,300
Adams	6,600	6,600	22.1	146,000	3,400	3,400	14.4	49,000
Billings	800	800	31.8	25,400	200	200	13.0	2,600
Bowman	8,900	8,300	23.5	195,400	6,100	4,700	8.2	38,600
Golden Valley	9,700	9,400	27.3	256,600	8,300	8,100	14.9	120,400
Hettinger	11,900	11,900	37.4	444,600	8,100	8,100	16.0	129,400
Slope	6,600	6,500	23.7	154,200	7,400	7,000	8.8	61,800
Stark	12,300	11,500	23.0	264,300	4,700	4,500	24.8	111,700
Southwest	56,800	55,000	27.0	1,486,500	38,200	36,000	14.3	513,500
Burleigh	5,700	5,300	35.4	187,800	6,300	5,700	22.1	126,200
Emmons	1,200	800	20.9	16,700	2,800	1,700	16.6	28,300
Grant	800	700	16.7	11,700	700	600	12.2	7,300
Morton	500	400	20.3	8,100	500	300	13.0	3,900
Sioux	800	600	18.0	10,800	700	400	13.0	5,200
South Central	9,000	7,800	30.1	235,100	11,000	8,700	19.6	170,900
Dickey	1,400	1,300	31.9	41,500	7,600	7,400	34.4	254,500
LaMoure	4,100	4,100	44.0	180,400	15,900	15,900	39.6	629,600
Logan	800	800	29.6	23,700	2,200	2,200	27.0	59,300
McIntosh	1,600	1,600	29.2	46,700	5,400	5,200	20.4	106,300
Ransom	600	600	40.5	24,300	3,900	3,900	42.2	164,700
Richland	1,000	1,000	46.6	46,600	23,000	23,000	46.0	1,057,400
Sargent	1,800	1,800	40.9	73,700	15,600	15,600	37.0	577,800
Southeast	11,300	11,200	39.0	436,900	73,600	73,200	38.9	2,849,600
STATE	1,520,500	1,486,700	34.4	51,137,000	1,574,700	1,558,900	33.6	52,335,600

1/ See page 77 for irrigated acres.

DURUM WHEAT

North Dakota, 1989 1/

District and County	Summer Fallow				Continuous Cropping			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	70,800	69,800	18.6	1,296,500	14,200	13,000	14.9	193,500
Divide	198,000	190,500	13.4	2,558,400	10,400	8,800	8.6	75,400
Mountrail	180,700	179,100	19.4	3,466,900	44,300	41,600	12.4	516,100
Renville	45,900	45,700	25.2	1,149,700	29,100	29,000	24.7	717,300
Ward	129,600	128,700	24.1	3,101,800	90,300	88,700	18.9	1,678,200
Williams	135,800	134,400	13.4	1,795,300	11,800	11,600	12.0	139,200
Northwest	760,800	748,200	17.9	13,368,600	200,100	192,700	17.2	3,319,700
Benson	114,800	105,400	20.6	2,174,200	89,800	76,200	16.7	1,270,800
Bottineau	112,300	110,100	28.0	3,079,600	127,700	126,400	23.4	2,955,400
McHenry	10,100	9,700	22.8	221,300	9,900	9,300	17.1	158,700
Pierce	49,800	42,700	21.7	926,500	30,200	26,400	17.3	455,500
Rolette	56,800	56,600	28.2	1,593,800	58,200	56,800	24.8	1,411,200
North Central	343,800	324,500	24.6	7,995,400	315,800	295,100	21.2	6,251,600
Cavalier	78,700	78,500	32.1	2,516,800	76,300	76,000	24.8	1,886,200
Grand Forks	700	700	28.3	19,800	4,300	4,300	29.1	125,200
Nelson	35,200	35,000	25.6	895,200	53,800	53,500	20.5	1,095,800
Pembina	500	500	39.6	19,800	3,500	3,500	42.3	148,200
Ramsey	86,800	86,100	26.8	2,305,500	88,200	87,400	24.5	2,144,500
Towner	129,000	128,100	28.7	3,672,600	121,000	120,500	25.0	3,016,400
Walsh	8,900	8,900	24.7	220,100	18,100	18,000	28.1	505,900
Northeast	339,800	337,800	28.6	9,649,800	365,200	363,200	24.6	8,922,200
Dunn	3,200	2,900	20.6	59,800	800	700	17.4	12,200
McKenzie	47,600	38,200	18.8	718,800	3,400	2,400	13.4	32,200
McLean	142,200	139,800	24.0	3,350,600	57,300	56,200	15.5	868,400
Mercer	9,500	8,600	21.5	185,300	4,500	3,900	16.6	64,700
Oliver	---	---	---	---	1,000	800	15.0	12,000
West Central	202,500	189,500	22.8	4,314,500	67,000	64,000	15.5	989,500
Eddy	6,900	6,600	21.6	142,500	12,800	12,300	12.8	157,500
Foster	2,500	2,400	18.5	44,400	5,900	5,700	19.8	112,800
Kidder	4,700	3,800	15.0	57,000	2,800	1,900	8.9	17,000
Sheridan	600	600	18.7	11,200	400	300	16.0	4,800
Stutsman	33,000	32,900	24.6	808,200	35,000	33,500	14.5	486,800
Wells	37,300	36,200	19.6	707,800	32,700	31,500	14.8	466,200
Central	85,000	82,500	21.5	1,771,100	89,600	85,200	14.6	1,245,100
Barnes	3,500	3,500	29.7	103,900	10,000	10,000	26.1	261,100
Cass	7,300	7,300	39.4	287,600	30,500	30,500	33.7	1,028,400
Griggs	3,600	3,600	24.5	88,300	12,900	12,900	22.6	291,700
Steele	1,100	1,100	40.0	44,000	4,900	4,900	29.6	145,000
Traill	700	700	44.9	31,400	4,800	4,800	34.1	163,600
East Central	16,200	16,200	34.3	555,200	63,100	63,100	29.9	1,889,800
Adams	10,900	10,900	22.4	244,700	1,600	1,500	18.9	28,300
Billings	3,000	3,000	20.5	61,500	500	400	16.3	6,500
Bowman	20,100	20,100	27.1	544,200	1,900	1,800	26.0	46,800
Golden Valley	21,500	20,900	26.4	551,700	5,500	5,500	23.9	131,300
Hettinger	15,700	15,600	25.3	394,100	3,800	3,800	13.7	51,900
Slope	11,000	10,900	26.1	284,600	5,500	5,500	21.3	117,400
Stark	17,100	16,500	16.8	276,500	6,900	5,600	11.9	66,500
Southwest	99,300	97,900	24.1	2,357,300	25,700	24,100	18.6	448,700
Burleigh	11,800	9,200	16.2	149,000	9,700	7,200	4.2	30,000
Emmons	700	400	7.8	3,100	800	400	7.3	2,900
Grant	4,100	3,500	12.0	42,000	3,400	2,500	9.6	24,000
Morton	1,200	1,000	16.4	16,400	1,000	600	9.3	5,600
Sioux	200	100	10.0	1,000	100	100	10.0	1,000
South Central	18,000	14,200	14.9	211,500	15,000	10,800	5.9	63,500
Dickey	2,900	2,900	21.4	62,000	13,000	12,700	18.3	232,000
LaMoure	7,600	7,600	30.9	234,500	13,400	13,100	28.4	371,500
Logan	2,000	1,800	29.0	52,200	2,300	2,100	17.0	35,800
McIntosh	6,300	5,900	15.7	92,600	6,700	6,200	10.4	64,400
Ransom	1,600	1,600	35.0	56,000	2,800	2,700	36.7	99,000
Richland	500	500	47.8	23,900	9,500	9,500	38.5	366,100
Sargent	3,000	3,000	40.6	121,700	15,300	15,300	33.9	518,300
Southeast	23,900	23,300	27.6	642,900	63,000	61,600	27.4	1,687,100
STATE	1,889,300	1,834,100	22.3	40,866,300	1,204,500	1,159,800	21.4	24,817,200

1/ See page 78 for irrigated acres.

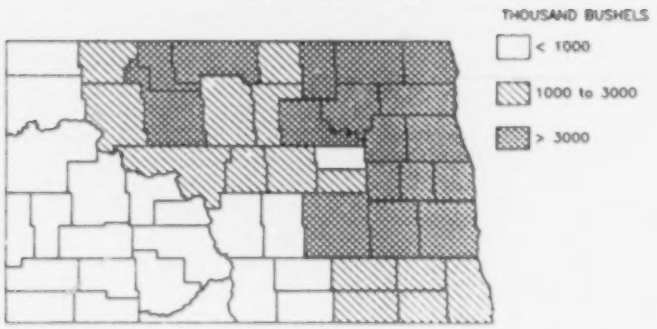
WINTER WHEAT

North Dakota, 1989 and 1990

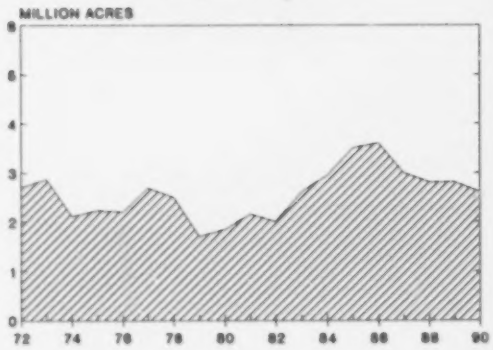
District and County	1989				1990			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	—	—	—	—	2,000	2,000	27.0	54,000
Divide	1,000	700	18.6	13,000	2,000	2,000	23.5	47,000
Mountrail	—	—	—	—	1,500	1,400	27.0	37,800
Renville	—	—	—	—	1,000	1,000	35.0	35,000
Ward	400	300	19.0	5,700	2,500	2,200	30.0	66,000
Williams	1,100	700	24.3	17,000	11,000	8,900	16.3	145,200
Northwest	2,500	1,700	21.0	35,700	20,000	17,500	22.0	385,000
Benson	—	—	—	—	1,400	400	26.0	10,400
Bottineau	3,300	3,200	31.8	101,600	10,000	5,900	29.2	172,400
McHenry	—	—	—	—	2,000	1,500	26.5	39,800
Pierce	1,200	1,100	17.0	18,700	500	200	27.0	5,400
Rolette	—	—	—	—	100	0	—	0
North Central	4,500	4,300	28.0	120,300	14,000	8,000	28.5	228,000
Cavalier	2,000	1,900	23.5	44,700	1,500	800	15.0	12,000
Grand Forks	4,000	3,800	34.0	129,200	3,500	600	40.0	24,000
Nelson	6,500	5,300	25.1	132,800	3,000	500	27.0	13,500
Pembina	300	200	27.5	5,500	2,000	1,600	45.2	72,300
Ramsey	400	400	31.5	12,600	500	300	25.0	7,500
Towner	1,300	1,200	28.0	33,600	300	100	27.0	2,700
Walsh	—	—	—	—	200	100	40.0	4,000
Northeast	14,500	12,800	28.0	358,400	11,000	4,000	34.0	136,000
Dunn	—	—	—	—	3,000	2,000	30.0	60,000
McKenzie	800	400	22.5	9,000	13,000	9,500	21.3	202,800
McLean	—	—	—	—	3,200	1,400	29.0	40,600
Mercer	—	—	—	—	500	400	22.0	8,800
Oliver	—	—	—	—	300	200	24.0	4,800
West Central	800	400	22.5	9,000	20,000	13,500	23.5	317,000
Eddy	1,900	1,600	26.0	41,600	3,000	500	35.0	17,500
Foster	1,800	1,500	23.0	34,500	3,500	500	38.0	19,000
Kidder	—	—	—	—	1,700	1,400	25.0	35,000
Sheridan	—	—	—	—	300	300	30.0	9,000
Stutsman	3,000	2,600	20.0	51,900	18,500	1,900	32.5	61,800
Wells	300	200	25.0	5,000	8,000	5,400	38.5	207,700
Central	7,000	5,900	22.5	133,000	35,000	10,000	35.0	350,000
Barnes	4,300	3,100	22.5	69,800	12,000	4,500	35.0	157,500
Cass	8,700	8,400	33.7	283,300	8,000	3,700	42.5	157,400
Griggs	3,000	2,700	30.0	81,000	7,000	1,500	26.5	39,800
Steele	1,000	900	27.0	24,300	2,000	600	25.5	15,300
Traill	4,000	3,900	33.5	130,600	1,000	700	45.0	31,500
East Central	21,000	19,000	31.0	589,000	30,000	11,000	36.5	401,500
Adams	1,500	500	17.0	8,500	20,000	19,500	20.2	393,900
Billings	1,300	200	28.5	5,700	1,500	1,000	10.0	10,000
Bowman	2,500	1,000	19.0	19,000	8,000	7,500	21.5	161,300
Golden Valley	2,000	1,100	31.0	34,100	9,500	7,300	24.5	178,900
Hettinger	1,200	400	21.0	8,400	6,000	5,800	29.5	171,000
Slope	400	100	19.0	1,900	2,500	1,700	28.5	48,500
Stark	600	200	23.5	4,700	2,500	1,700	22.0	37,400
Southwest	9,500	3,500	23.5	82,300	50,000	44,500	22.5	1,001,000
Burleigh	400	200	13.0	2,600	2,500	1,300	21.0	27,300
Emmons	—	—	—	—	2,500	2,000	18.5	37,000
Grant	600	300	23.0	6,900	3,500	2,500	15.0	37,500
Morton	—	—	—	—	4,000	2,700	13.0	35,100
Sioux	200	—	—	—	2,500	2,000	28.6	57,100
South Central	1,200	500	19.0	9,500	15,000	10,500	18.5	194,000
Dickey	6,500	3,200	23.0	73,600	15,000	12,500	27.0	337,500
LaMoure	7,200	4,900	24.0	117,600	7,500	5,000	31.5	157,500
Logan	—	—	—	—	3,000	2,800	32.5	91,000
McIntosh	—	—	—	—	2,000	1,700	20.0	34,000
Ransom	9,500	8,900	37.5	333,800	10,000	5,000	38.0	190,000
Richland	2,300	2,300	38.0	87,400	1,500	1,000	37.0	37,000
Sargent	13,500	12,600	29.4	370,400	16,000	13,000	35.4	460,500
Southeast	39,000	31,900	30.8	982,800	55,000	41,000	31.9	1,307,500
STATE	100,000	80,000	29.0	2,320,000	250,000	160,000	27.0	4,320,000
WINTER WHEAT BY SPECIAL CROPPING PRACTICES								
Summer Fallow	59,200	47,000	30.6	1,437,300	78,700	52,700	29.6	1,558,200
Cont. Cropping	40,800	33,000	26.7	882,700	171,300	107,300	25.7	2,761,800

BARLEY

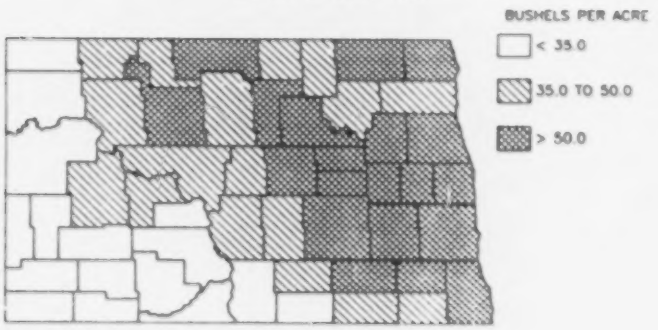
PRODUCTION
NORTH DAKOTA, 1990



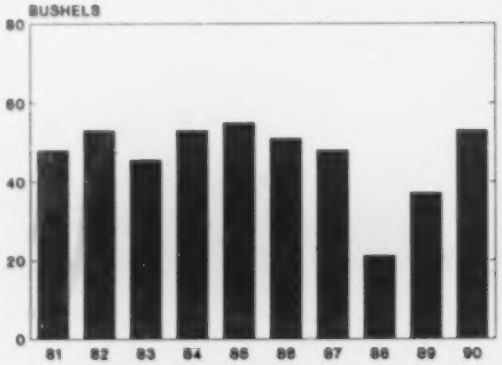
PLANTED ACRES
NORTH DAKOTA, 1972 - 90



YIELD PER ACRE
NORTH DAKOTA, 1990



YIELD PER ACRE
NORTH DAKOTA, 1981 - 90



North Dakota, 1981-90

Year	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Marketing Year Avg. Price	Value of Production	Value Per Harvested Acre
	(Acres)	(Acres)	(Bu.)	(Bu.)	($/Bu.)	(Dols.)	(Dols.)
1981	2,150,000	2,100,000	48.0	100,800,000	2.20	221,760,000	105.60
1982	2,000,000	1,950,000	53.0	103,350,000	1.76	181,896,000	93.28
1983	2,600,000	2,520,000	45.5	114,660,000	2.20	252,252,000	100.10
1984	2,950,000	2,900,000	53.0	153,700,000	1.94	298,178,000	102.82
1985	3,500,000	3,350,000	55.0	184,250,000	1.60	294,800,000	88.00
1986	3,600,000	3,450,000	51.0	175,950,000	1.37	241,052,000	69.87
1987	3,000,000	2,900,000	48.0	139,200,000	1.70	236,640,000	81.60
1988	2,800,000	2,150,000	21.0	45,150,000	2.97	134,096,000	62.37
1989	2,800,000	2,650,000	37.0	98,050,000	2.15	210,808,000	79.55
1990	2,600,000	2,450,000	53.0	129,850,000	1.85	240,223,000	98.05

June 1991

BARLEY CONT.

North Dakota, 1990 and 5-Year Average, 1985-89

District and County	1990				5-Year Average, 1985-89			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	28,000	27,000	46.0	1,242,000	46,400	42,600	32.9	1,483,200
Divide	16,000	15,000	30.5	458,000	49,600	42,900	27.1	1,262,600
Mountrail	27,000	26,000	44.0	1,144,000	53,200	49,000	31.9	1,730,600
Renville	77,000	75,500	49.0	3,700,000	81,000	79,100	38.3	3,129,000
Ward	85,000	80,500	50.4	4,061,000	104,600	100,400	38.2	4,101,200
Williams	27,000	25,000	29.0	725,000	64,200	56,800	25.4	1,574,400
Northwest	260,000	249,000	45.5	11,330,000	399,000	370,800	33.7	13,281,000
Benson	72,000	71,000	57.0	4,047,000	73,000	63,400	34.2	2,350,000
Bottineau	130,000	128,000	55.0	7,043,000	149,000	145,000	41.0	6,218,600
McHenry	40,000	33,500	50.0	1,925,000	56,000	51,500	35.7	2,055,800
Pierce	47,000	45,000	51.0	2,295,000	53,800	48,600	31.1	1,636,800
Rolette	51,000	49,500	49.5	2,450,000	56,200	54,600	42.2	2,342,800
North Central	340,000	332,000	53.5	17,760,000	388,000	363,100	38.1	14,604,000
Cavalier	180,000	172,500	52.0	8,970,000	188,000	179,500	49.5	8,941,000
Grand Forks	135,000	132,500	61.5	8,145,000	145,000	142,800	54.7	7,894,200
Nelson	73,000	72,000	62.5	4,500,000	73,800	72,700	45.5	3,381,800
Pembina	77,000	73,500	58.5	4,300,000	84,000	80,600	56.9	4,703,000
Ramsey	104,000	99,000	49.5	4,900,000	101,800	97,900	42.1	4,204,800
Towner	88,000	82,000	43.5	3,565,000	96,400	92,900	41.2	3,902,800
Walsh	83,000	80,500	45.5	3,660,000	92,600	89,000	51.9	4,780,400
Northeast	740,000	712,000	53.4	38,040,000	781,600	755,500	49.2	37,808,000
Dunn	24,000	19,500	35.5	693,000	26,200	20,400	30.4	710,600
McKenzie	17,000	12,500	28.0	350,000	30,900	22,400	27.5	687,800
McLean	42,000	40,000	46.0	1,838,000	60,500	57,200	35.3	2,264,200
Mercer	7,000	6,500	36.0	234,000	11,900	9,500	36.6	413,000
Oliver	15,000	10,500	30.0	315,000	14,100	11,700	32.9	438,000
West Central	105,000	89,000	38.5	3,430,000	143,600	121,200	33.0	4,513,600
Eddy	12,000	11,500	56.5	650,000	20,100	19,000	36.6	773,800
Foster	15,000	14,500	69.5	1,008,000	19,800	19,100	39.4	797,600
Kidder	13,500	13,000	49.0	637,000	19,800	15,700	29.8	570,600
Sheridan	24,500	23,500	43.5	1,022,000	28,100	24,200	32.3	902,200
Stutsman	55,000	53,000	60.9	3,228,000	93,000	84,900	39.3	3,700,600
Wells	50,000	49,500	59.5	2,945,000	65,800	60,300	35.0	2,257,200
Central	170,000	165,000	57.5	9,490,000	246,600	223,100	36.5	9,002,000
Barnes	135,000	132,000	64.6	8,530,000	146,800	139,000	44.8	6,343,000
Cass	160,000	157,000	65.0	10,205,000	169,400	164,700	53.1	8,996,400
Griggs	57,000	56,000	65.0	3,640,000	61,600	59,400	42.9	2,606,400
Steele	78,000	76,500	67.5	5,164,000	85,200	83,200	51.8	4,341,800
Traill	110,000	108,500	66.0	7,161,000	108,800	107,400	57.1	6,178,600
East Central	540,000	530,000	65.5	34,700,000	571,800	553,800	50.6	28,466,200
Adams	17,000	14,000	22.5	315,000	22,600	19,200	31.8	664,400
Billings	4,000	3,500	32.6	114,000	5,800	4,000	25.3	109,600
Bowman	14,000	8,000	23.5	188,000	23,700	19,300	27.7	585,400
Golden Valley	14,500	13,000	33.0	429,000	17,900	14,500	30.8	489,200
Hettinger	23,500	22,000	29.0	639,000	38,000	34,400	33.7	1,280,400
Slope	17,000	13,000	29.0	377,000	24,500	21,300	32.7	738,200
Stark	25,000	18,500	28.0	518,000	32,100	25,500	27.8	794,000
Southwest	115,000	92,000	28.0	2,580,000	164,600	138,200	31.0	4,661,200
Burleigh	12,000	11,000	37.5	413,000	22,400	17,700	28.8	676,000
Emmons	21,500	14,000	32.5	455,000	28,600	20,500	29.9	763,600
Grant	28,500	15,000	18.0	270,000	37,800	29,000	31.0	1,080,600
Morton	43,000	25,500	22.4	571,000	52,200	38,900	32.3	1,469,000
Sioux	5,000	2,500	24.4	61,000	7,200	5,400	25.9	173,800
South Central	110,000	68,000	26.0	1,770,000	148,200	111,500	30.8	4,163,000
Dickey	34,000	33,500	49.6	1,660,000	50,600	45,000	38.0	1,917,000
LaMoure	45,000	44,000	56.0	2,464,000	58,600	52,000	40.8	2,335,800
Logan	19,000	17,000	41.5	706,000	28,400	22,300	33.0	892,400
McIntosh	20,000	18,500	29.0	537,000	25,800	20,100	29.1	700,800
Ransom	37,000	36,000	54.5	1,962,000	42,000	38,900	44.2	1,831,000
Richland	30,000	29,500	57.5	1,696,000	49,800	47,900	49.6	2,519,200
Sargent	35,000	34,500	50.0	1,725,000	41,400	36,700	45.3	1,824,800
Southeast	220,000	213,000	50.5	10,750,000	296,600	262,800	41.7	12,021,000
STATE	2,600,000	2,450,000	53.0	129,850,000	3,140,000	2,900,000	42.4	128,520,000

BARLEY

North Dakota, 1988 and 1989

District and County	1988				1989			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	38,000	32,800	22.0	722,000	32,000	30,500	23.5	718,000
Divide	47,000	39,700	16.0	635,000	21,000	19,700	18.5	365,000
Mountrail	48,000	40,500	14.5	587,000	30,000	26,900	21.5	579,000
Renville	76,000	71,000	20.0	1,420,000	73,000	73,000	32.7	2,385,000
Ward	86,000	75,000	14.8	1,108,000	89,000	88,200	30.0	2,643,000
Williams	55,000	44,000	12.0	528,000	35,000	29,700	18.5	550,000
Northwest	350,000	303,000	16.5	5,000,000	280,000	268,000	27.0	7,240,000
Benson	65,000	35,500	12.0	426,000	75,000	64,500	29.0	1,870,000
Bottineau	130,000	120,000	20.0	2,395,000	131,000	130,500	38.0	4,964,000
McHenry	47,000	31,500	13.5	425,000	41,000	37,800	26.0	983,000
Pierce	46,000	31,500	13.0	409,000	47,000	39,700	26.5	1,053,000
Rolette	52,000	49,500	20.9	1,035,000	56,000	55,000	44.0	2,420,000
North Central	340,000	268,000	17.5	4,690,000	350,000	327,500	34.5	11,290,000
Cavalier	175,000	170,000	22.2	3,780,000	180,000	180,000	43.2	7,776,000
Grand Forks	135,000	131,000	37.0	4,847,000	140,000	140,000	49.0	6,860,000
Nelson	66,000	64,000	28.0	1,792,000	68,000	68,000	33.5	2,280,000
Pembina	78,000	68,500	23.0	1,578,000	83,000	82,600	59.0	4,875,000
Ramsey	93,000	85,000	20.0	1,700,000	100,000	99,900	41.0	4,095,000
Towner	86,000	81,300	18.5	1,504,000	95,000	95,000	38.0	3,610,000
Walsh	77,000	70,200	24.0	1,684,000	84,000	84,000	48.5	4,074,000
Northeast	710,000	670,000	25.2	16,885,000	750,000	749,500	44.8	33,570,000
Dunn	22,500	7,000	7.0	49,000	21,500	17,600	27.5	484,000
McKenzie	28,500	12,500	10.0	125,000	27,000	17,600	20.0	352,000
McLean	47,000	37,000	12.9	478,000	38,500	36,000	26.8	963,000
Mercer	10,000	3,000	10.0	30,000	8,500	7,500	30.0	225,000
Oliver	12,000	4,500	12.0	54,000	14,500	11,300	20.0	226,000
West Central	120,000	64,000	11.5	736,000	110,000	90,000	25.0	2,250,000
Eddy	14,500	12,800	16.5	211,000	12,000	10,600	26.0	276,000
Foster	17,000	15,400	18.0	277,000	16,000	15,400	29.0	447,000
Kidder	14,000	2,500	9.2	23,000	18,000	11,200	16.1	180,000
Sheridan	24,500	11,500	8.5	98,000	24,000	18,800	18.0	338,000
Stutsman	71,000	44,500	16.0	713,000	69,000	67,100	29.4	1,973,000
Wells	59,000	43,300	11.5	498,000	61,000	54,400	24.0	1,306,000
Central	200,000	130,000	14.0	1,820,000	200,000	177,500	25.5	4,520,000
Barnes	145,000	117,500	19.5	2,291,000	150,000	149,200	33.0	4,930,000
Cass	155,000	136,500	22.1	3,023,000	170,000	170,000	47.0	7,984,000
Griggs	57,000	54,800	25.5	1,400,000	60,000	56,300	31.5	1,775,000
Steele	83,000	78,800	34.0	2,679,000	87,000	86,500	42.5	3,676,000
Traill	100,000	97,400	40.5	3,945,000	113,000	113,000	48.5	5,485,000
East Central	540,000	485,000	27.5	13,338,000	580,000	575,000	41.5	23,850,000
Adams	21,500	8,500	9.1	77,000	21,500	21,500	28.5	613,000
Billings	7,000	3,000	6.0	18,000	6,000	5,500	27.1	149,000
Bowman	20,000	10,500	8.5	89,000	17,500	17,000	26.0	442,000
Golden Valley	15,000	6,000	9.5	57,000	17,000	15,900	40.0	636,000
Hettinger	31,000	18,500	12.5	232,000	27,000	26,000	27.0	702,000
Slope	22,500	14,000	11.5	161,000	19,000	19,000	34.5	656,000
Stark	33,000	14,500	8.0	116,000	27,000	20,100	18.0	362,000
Southwest	150,000	75,000	10.0	750,000	135,000	125,000	28.5	3,560,000
Burleigh	15,000	1,400	8.6	12,000	14,000	8,100	12.5	101,000
Emmons	26,000	2,700	6.3	17,000	28,000	17,100	13.5	231,000
Grant	33,000	8,500	10.5	89,000	30,000	18,700	16.5	309,000
Morton	50,000	13,500	10.8	146,000	48,000	31,000	18.1	560,000
Sioux	6,000	1,900	8.4	16,000	5,000	2,600	15.0	39,000
South Central	130,000	28,000	10.0	280,000	125,000	77,500	16.0	1,240,000
Dickey	42,000	17,400	11.0	192,000	44,000	43,500	34.3	1,494,000
LaMoure	52,000	24,700	11.0	272,000	55,000	54,800	40.0	2,192,000
Logan	24,000	2,900	8.3	24,000	25,000	18,100	22.0	399,000
McIntosh	24,000	2,000	6.5	13,000	22,000	20,000	22.0	440,000
Ransom	38,000	25,500	11.5	293,000	42,000	42,000	47.0	1,974,000
Richland	41,000	35,000	19.5	682,000	41,000	41,000	44.8	1,837,000
Sargent	39,000	19,500	9.0	175,000	41,000	40,600	54.0	2,194,000
Southeast	260,000	127,000	13.0	1,651,000	270,000	260,000	40.5	10,530,000
STATE	2,800,000	2,150,000	21.0	45,150,000	2,800,000	2,650,000	37.0	98,050,000

BARLEY

North Dakota, 1990 1/

District and County	Summer Fallow				Continuous Cropping			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	4,300	4,100	45.9	188,300	23,700	22,900	46.0	1,053,700
Divide	6,800	6,100	33.9	206,500	9,200	8,900	28.3	251,500
Mountrail	7,000	6,700	47.0	315,200	20,000	19,300	42.9	828,800
Renville	7,200	7,100	43.6	309,900	69,800	68,400	49.6	3,390,100
Ward	11,400	11,200	47.3	530,100	73,600	69,300	51.0	3,530,900
Williams	19,500	18,900	31.1	588,500	7,400	6,000	21.6	129,700
Northwest	56,200	54,100	39.5	2,138,500	203,700	194,800	47.1	9,184,700
Benson	9,000	8,900	59.2	526,600	62,900	62,000	56.7	3,513,500
Bottineau	13,100	12,900	60.1	774,900	116,900	115,100	54.5	6,268,100
McHenry	6,000	5,300	50.2	265,900	34,000	33,200	50.0	1,659,100
Pierce	9,400	9,300	50.5	469,900	37,600	35,700	51.1	1,825,100
Rolette	1,200	1,200	57.9	69,500	49,700	48,200	49.3	2,374,000
North Central	38,700	37,600	56.0	2,106,800	301,100	294,200	53.2	15,639,800
Cavalier	11,300	11,100	57.5	638,600	168,700	161,400	51.6	8,331,400
Grand Forks	3,600	3,500	61.0	213,500	131,400	129,000	61.5	7,931,500
Nelson	7,000	6,900	63.9	441,200	66,000	65,100	62.3	4,058,800
Pembina	2,900	2,800	50.6	141,600	74,100	70,700	58.8	4,158,400
Ramsey	6,300	6,200	52.5	325,400	97,700	92,800	49.3	4,574,600
Towner	3,500	3,400	49.6	168,600	84,500	78,600	43.2	3,396,400
Walsh	3,900	3,800	52.4	199,000	79,100	76,700	45.1	3,461,000
Northeast	38,500	37,700	56.4	2,127,900	701,500	674,300	53.3	35,912,100
Dunn	6,000	4,800	38.1	183,100	18,000	14,700	34.7	509,900
McKenzie	7,400	5,900	25.3	149,500	9,300	6,300	28.6	180,000
McLean	4,200	3,900	42.8	166,800	37,600	35,900	46.1	1,654,200
Mercer	1,000	1,000	43.7	43,700	6,000	5,500	34.6	190,300
Oliver	3,100	2,600	49.8	129,500	11,800	7,800	23.1	180,500
West Central	21,700	18,200	37.0	672,600	82,700	70,200	38.7	2,714,900
Eddy	800	700	58.6	41,000	10,800	10,400	55.5	577,000
Foster	500	400	58.3	23,300	14,500	14,500	67.9	984,700
Kidder	2,200	2,200	54.1	119,100	11,300	10,800	48.0	517,900
Sheridan	2,300	2,300	47.2	108,500	22,200	21,200	43.1	913,500
Stutsman	6,900	6,200	51.8	320,900	48,100	46,700	62.3	2,907,100
Wells	3,300	3,100	66.4	205,900	46,700	46,100	59.4	2,739,100
Central	16,000	14,900	54.9	818,700	153,600	149,700	57.7	8,639,300
Barnes	2,200	2,200	60.7	133,500	132,700	129,700	64.7	8,388,500
Cass	4,500	4,400	66.3	291,900	155,400	152,500	65.0	9,905,300
Griggs	1,500	1,500	58.9	88,300	55,200	54,200	65.2	3,531,300
Steele	3,000	3,000	61.7	185,000	75,000	73,500	67.7	4,979,000
Traill	2,200	2,200	68.5	150,800	107,800	106,300	65.9	7,010,200
East Central	13,400	13,300	63.9	849,500	526,100	516,200	65.5	33,814,300
Adams	1,300	1,300	30.5	39,600	15,700	12,700	21.7	275,400
Billings	1,800	1,700	38.3	65,100	2,200	1,800	27.2	48,900
Bowman	6,100	4,100	31.9	130,800	7,900	3,900	14.7	57,200
Golden Valley	3,800	3,400	36.6	124,400	10,400	9,300	30.5	283,600
Hettinger	3,400	3,300	37.9	125,200	20,100	18,700	27.5	513,800
Slope	5,700	4,600	41.5	190,700	11,300	8,400	22.2	186,300
Stark	5,300	4,100	30.5	124,900	19,700	14,400	27.3	393,100
Southwest	27,400	22,500	35.6	800,700	87,300	69,200	25.4	1,758,300
Burleigh	1,400	1,400	38.6	54,000	10,600	9,600	37.4	359,000
Emmons	1,700	800	27.0	21,600	19,500	12,900	32.0	412,400
Grant	5,000	3,000	28.2	84,500	23,400	11,900	15.0	179,000
Morton	5,900	3,000	24.5	73,600	37,000	22,400	21.9	491,400
Sioux	800	500	25.4	12,700	4,200	2,000	24.2	48,300
South Central	14,800	8,700	28.3	246,400	94,700	58,800	25.3	1,490,100
Dickey	1,600	1,600	33.9	54,300	32,300	31,800	50.2	1,597,400
LaMoure	2,200	2,200	52.4	115,300	42,800	41,800	56.2	2,348,700
Logan	1,200	1,100	46.9	51,600	17,800	15,900	41.2	654,400
McIntosh	1,400	1,200	22.7	27,200	18,600	17,300	29.5	509,800
Ransom	1,400	1,400	57.6	80,700	35,600	34,600	54.4	1,881,300
Richland	2,600	2,600	64.4	167,500	27,400	26,900	56.8	1,528,500
Sargent	300	300	31.0	9,300	34,700	34,200	50.2	1,715,700
Southeast	10,700	10,400	48.6	505,900	209,200	202,500	50.5	10,235,800
STATE	237,400	217,400	47.2	10,267,000	2,359,900	2,229,900	53.5	119,389,300

1/ See page 77 for irrigated acres.

BARLEY

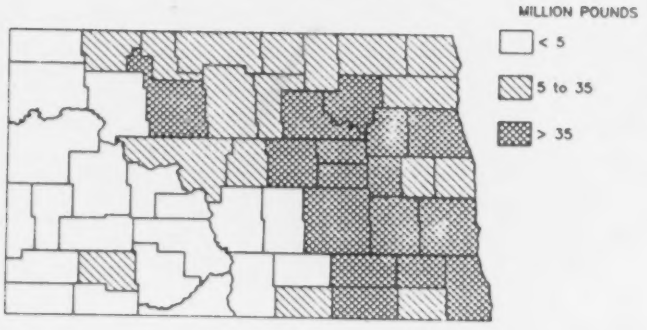
North Dakota, 1989 1/

District and County	Summer Fallow				Continuous Cropping			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	8,000	7,200	25.1	180,800	24,000	23,300	23.1	537,200
Divide	14,700	14,200	20.3	288,600	6,300	5,500	13.9	76,400
Mountrail	9,900	9,200	22.3	205,400	20,100	17,700	21.1	373,600
Renville	6,900	6,900	32.4	223,500	66,100	66,100	32.7	2,161,500
Ward	14,300	14,100	31.6	445,100	74,700	74,100	29.7	2,197,900
Williams	22,800	21,800	18.3	397,900	12,100	7,800	18.7	145,500
Northwest	76,600	73,400	23.7	1,741,300	203,300	194,500	28.2	5,492,100
Benson	9,700	9,300	29.6	275,600	65,200	55,100	28.9	1,592,400
Bottineau	19,800	19,600	38.6	757,500	111,200	110,900	37.9	4,206,500
McHenry	7,400	6,200	20.0	123,800	33,600	31,600	27.2	859,200
Pierce	10,500	9,000	23.3	209,600	36,500	30,700	27.5	843,400
Rolette	2,900	2,900	51.3	148,700	53,000	52,000	43.6	2,265,800
North Central	50,300	47,000	32.2	1,515,200	299,500	280,300	34.8	9,767,300
Cavalier	13,300	13,300	37.9	504,600	166,700	166,700	43.6	7,271,400
Grand Forks	10,100	10,100	50.1	506,000	129,600	129,600	48.9	6,334,500
Nelson	7,800	7,800	44.1	344,200	60,200	60,200	32.2	1,935,800
Pembina	3,900	3,500	43.0	150,400	79,100	79,100	59.7	4,724,600
Ramsey	9,900	9,900	38.5	381,500	90,100	90,000	41.3	3,713,500
Towner	9,700	9,700	31.1	302,100	85,300	85,300	38.8	3,307,900
Walsh	4,100	4,100	51.7	211,900	79,900	79,900	48.3	3,862,100
Northeast	58,800	58,400	41.1	2,400,700	690,900	690,800	45.1	31,149,800
Dunn	6,300	4,300	33.1	142,400	15,100	13,200	25.5	336,600
McKenzie	12,500	10,200	19.7	201,100	14,100	7,000	16.5	115,500
McLean	4,500	4,000	38.3	153,300	33,800	31,800	25.0	795,700
Mercer	2,600	2,500	33.2	82,900	5,900	5,000	28.4	142,100
Oliver	3,600	3,200	39.6	126,800	10,700	8,100	12.2	99,200
West Central	29,500	24,200	29.2	706,500	79,600	65,100	22.9	1,489,100
Eddy	1,200	1,200	26.4	31,700	10,500	9,100	24.9	226,400
Foster	600	600	21.7	13,000	15,300	14,700	29.1	427,100
Kidder	2,200	1,300	37.2	48,400	15,800	9,900	13.3	131,600
Sheridan	9,600	7,600	16.8	127,400	14,400	11,200	18.8	210,600
Stutsman	3,400	3,400	32.1	109,100	65,600	63,700	29.3	1,863,900
Wells	10,400	9,200	23.3	214,500	50,600	45,200	24.1	1,091,500
Central	27,400	23,300	23.4	544,100	172,200	153,800	25.7	3,951,100
Barnes	4,700	4,500	36.6	164,700	145,200	144,600	32.9	4,757,500
Cass	9,200	9,200	47.9	441,100	160,800	160,800	46.9	7,542,900
Griggs	4,100	3,700	27.9	103,400	55,600	52,300	31.6	1,654,400
Steele	3,100	3,100	45.4	140,700	83,900	83,400	42.4	3,535,300
Traill	2,800	2,800	50.6	141,800	110,200	110,200	48.5	5,343,200
East Central	23,900	23,300	42.6	991,700	555,700	551,300	41.4	22,833,300
Adams	6,400	6,400	33.2	212,300	15,100	15,100	26.5	400,700
Billings	1,700	1,600	21.3	34,000	4,300	3,900	29.5	115,000
Bowman	10,600	10,400	22.2	230,600	6,700	6,600	32.0	211,400
Golden Valley	7,500	7,400	43.3	320,700	9,200	8,200	36.3	297,300
Hettinger	3,800	3,800	25.6	97,200	23,200	22,200	27.2	604,800
Slope	6,500	6,500	38.1	247,600	12,500	12,500	32.7	408,400
Stark	4,400	2,100	23.3	49,000	22,600	18,000	17.4	313,000
Southwest	40,900	38,200	31.2	1,191,400	93,600	86,500	27.2	2,350,600
Burleigh	6,100	4,000	13.8	55,100	7,900	4,100	11.2	45,900
Emmons	6,800	5,100	13.3	67,800	21,200	12,000	13.6	163,200
Grant	8,000	5,200	17.3	89,700	21,900	13,400	15.9	212,700
Morton	11,800	8,900	23.4	208,600	36,100	22,000	15.7	344,600
Sioux	1,500	800	22.1	17,700	3,500	1,800	11.8	21,300
South Central	34,200	24,000	18.3	438,900	90,600	53,300	14.8	787,700
Dickey	3,000	3,000	31.0	92,900	40,900	40,400	34.5	1,393,300
LaMoure	9,000	9,000	46.3	416,800	46,000	45,800	38.8	1,775,200
Logan	1,400	1,000	33.7	33,700	23,500	17,000	21.1	358,800
McIntosh	2,900	2,900	26.7	77,300	19,100	17,100	21.2	362,700
Ransom	3,500	3,500	37.3	130,500	38,500	38,500	47.9	1,843,500
Richland	5,300	5,300	49.9	264,400	35,700	35,700	44.1	1,572,600
Sargent	4,100	4,100	65.1	267,100	36,900	36,500	52.8	1,926,900
Southeast	29,200	28,800	44.5	1,282,700	240,600	231,000	40.0	9,233,000
STATE	370,800	340,600	31.7	10,812,500	2,426,000	2,306,600	37.7	87,054,000

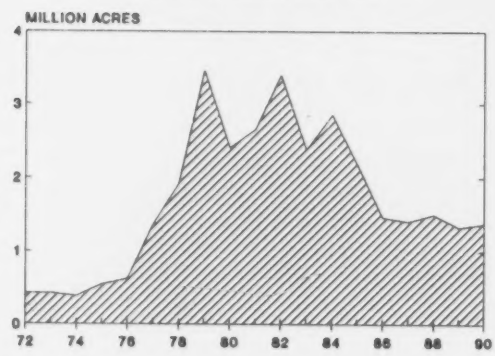
1/ See page 78 for irrigated acres.

SUNFLOWER

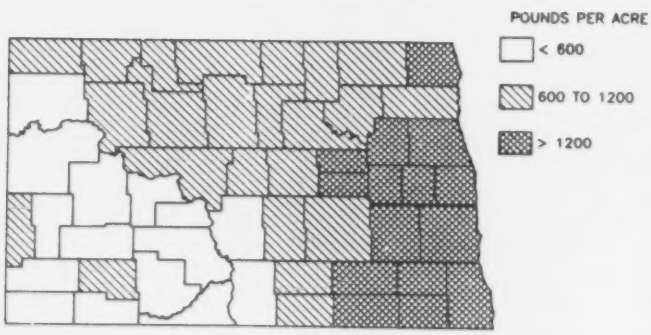
PRODUCTION
NORTH DAKOTA, 1990



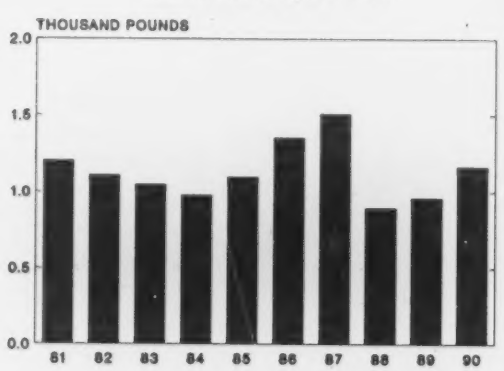
PLANTED ACRES
NORTH DAKOTA, 1972 - 90



YIELD PER ACRE
NORTH DAKOTA, 1990



YIELD PER ACRE
NORTH DAKOTA, 1981 - 90



North Dakota, 1981-90

Year	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Marketing Year Avg. Price	Value of Production	Value Per Harvested Acre
	(Acres)	(Acres)	(Lbs.)	(Lbs.)	($/Cwt.)	(Dols.)	(Dols.)
1981	2,650,000	2,628,000	1,202	3,158,160,000	10.70	339,117,000	129.04
1982	3,400,000	3,348,000	1,106	3,703,600,000	8.84	327,246,000	97.74
1983	2,375,000	2,344,000	1,044	2,446,400,000	13.00	317,715,000	135.54
1984	2,850,000	2,817,000	976	2,749,850,000	11.30	311,370,000	110.53
1985	2,190,000	2,030,000	1,094	2,221,800,000	8.01	177,957,000	87.66
1986	1,460,000	1,407,000	1,353	1,903,690,000	7.10	135,179,000	96.08
1987	1,400,000	1,375,000	1,510	2,076,350,000	8.46	175,625,000	127.73
1988	1,500,000	1,410,000	892	1,257,600,000	12.00	150,883,000	107.01
1989	1,320,000	1,290,000	957	1,234,800,000	11.00	135,887,000	105.34
1990	1,370,000	1,325,000	1,163	1,541,300,000	11.00	169,763,000	128.12

SUNFLOWER CONT.

North Dakota, 1990 and 5-Year Average, 1985-89

District and County	1990				5-Year Average, 1985-89			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Lbs.)	(000 Lbs.)	(Acres)	(Acres)	(Lbs.)	(000 Lbs.)
Burke	11,000	10,500	890	9,350	15,200	12,800	910	11,752
Divide	4,000	4,000	820	4,290	7,200	4,600	800	3,675
Mountrail	6,700	6,600	650	4,290	24,300	21,700	810	17,679
Renville	13,000	12,900	820	10,610	14,600	13,600	1050	13,361
Ward	40,800	40,500	980	39,760	59,000	51,900	1110	57,910
Williams	3,500	3,500	560	1,960	6,000	5,200	810	4,117
Northwest	79,000	78,000	890	69,3250	126,300	109,800	1000	108,494
Benson	55,000	54,000	1020	55,240	59,200	56,000	1050	59,058
Bottineau	25,000	25,000	1000	25,010	33,900	30,000	1080	31,580
McHenry	35,500	35,000	920	32,060	56,100	53,400	1120	59,822
Pierce	32,500	29,000	1020	29,600	40,600	38,200	1080	41,061
Rolette	9,000	9,000	1080	9,720	17,000	15,900	1020	15,881
North Central	157,000	152,000	1000	151,630	206,800	193,500	1070	207,402
Cavalier	18,500	18,300	1030	18,890	23,700	22,000	1080	23,109
Grand Forks	30,000	29,500	1310	38,720	36,800	35,800	1230	42,873
Nelson	55,500	54,800	1320	72,420	53,800	52,100	1280	66,183
Pembina	6,000	5,500	1470	8,100	6,900	6,500	1170	7,344
Ramsey	61,000	58,800	930	54,880	60,900	57,600	1110	62,505
Towner	21,000	21,000	880	18,390	26,300	24,600	1100	26,714
Walsh	18,000	17,600	900	15,800	27,400	26,700	1110	29,882
Northeast	210,000	205,500	1110	227,200	235,800	225,200	1170	258,610
Dunn	3,100	1,900	520	995	5,400	4,600	930	4,778
McKenzie	400	200	400	80	1,300	1,100	950	919
McLean	29,500	27,900	690	19,300	77,600	73,600	1120	84,810
Mercer	5,000	4,500	530	2,400	6,300	5,500	970	5,610
Oliver	5,000	3,200	330	1,055	7,000	6,800	1000	6,854
West Central	43,000	37,700	630	23,830	97,600	91,600	1100	102,970
Eddy	38,000	37,500	1230	46,110	38,300	37,300	1090	39,508
Foster	65,000	63,900	1340	85,340	71,500	69,400	1180	81,673
Kidder	4,000	3,900	920	3,600	5,700	5,400	970	5,406
Sheridan	29,000	26,400	730	19,200	42,400	40,500	980	40,502
Stutsman	125,000	120,900	1180	142,790	124,400	121,900	1190	144,834
Wells	84,000	81,900	1200	98,340	98,400	95,400	1070	102,280
Central	345,000	334,500	1180	395,380	380,700	369,900	1120	414,203
Barnes	116,000	114,600	1320	151,830	97,700	95,600	1340	127,059
Cass	60,000	59,100	1650	97,760	42,100	41,500	1330	57,886
Griggs	29,500	29,500	1520	44,790	31,200	30,800	1320	40,751
Steele	21,000	20,900	1610	33,640	21,900	21,500	1440	31,177
Traill	8,500	8,400	1720	14,440	6,200	5,800	1460	8,831
East Central	235,000	232,500	1470	342,460	199,200	195,200	1350	265,704
Adams	3,500	3,400	400	1,360	9,600	9,100	910	8,508
Billings	300	200	400	80	600	500	820	405
Bowman	1,700	1,600	440	705	3,600	3,400	980	3,384
Golden Valley	300	300	1000	300	600	600	1000	584
Hettinger	9,500	9,400	680	6,355	26,700	25,900	950	28,064
Slope	2,700	2,600	320	830	4,700	4,500	1120	5,048
Stark	4,000	3,500	380	1,330	10,100	9,700	830	7,994
Southwest	22,000	21,000	520	10,960	56,000	53,800	940	53,987
Burleigh	7,500	5,600	360	2,010	16,000	14,300	850	13,544
Emmons	5,300	4,400	330	1,450	7,500	6,800	880	5,657
Grant	11,000	7,500	300	2,235	16,700	16,100	1000	16,665
Morton	9,200	4,100	190	785	15,100	14,600	960	14,562
Sioux	1,000	700	300	210	1,600	1,500	840	1,340
South Central	34,000	22,300	300	6,690	56,900	53,200	930	51,768
Dickey	43,000	42,500	1340	56,780	36,800	36,600	1280	46,340
LaMoure	83,000	81,900	1270	104,290	71,900	70,600	1320	91,835
Logan	5,000	4,900	940	4,590	7,800	7,600	990	7,524
McIntosh	11,500	10,400	890	9,290	12,500	11,400	1000	11,681
Ransom	34,000	33,500	1280	42,960	35,800	34,600	1390	48,436
Richland	43,000	42,900	1440	61,830	16,300	16,200	1360	22,937
Sargent	25,500	25,400	1340	34,160	33,500	33,200	1390	46,957
Southeast	245,000	241,500	1300	313,900	214,700	210,200	1310	275,710
STATE	1,370,000	1,325,000	1163	1,541,300	1,574,000	1,502,400	1160	1,738,848

SUNFLOWER

North Dakota, 1988 and 1989

District and County	1988				1989			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Lbs.)	(000 Lbs.)	(Acres)	(Acres)	(Lbs.)	(000 Lbs.)
Burke	15,000	14,500	840	12,180	12,300	11,200	460	5,150
Divide	5,500	4,500	620	2,790	4,000	3,200	650	2,080
Mountrail	27,000	25,400	590	14,940	15,600	14,000	450	6,330
Renville	21,000	20,500	890	18,240	12,600	12,200	860	10,500
Ward	55,500	54,400	860	46,770	45,000	44,300	800	35,580
Williams	5,500	5,000	700	3,500	3,500	3,400	650	2,210
Northwest	129,500	124,300	790	98,420	93,000	88,300	700	61,850
Benson	60,000	51,100	650	33,230	49,500	48,600	800	39,090
Bottineau	40,100	38,500	680	26,180	31,500	31,200	1010	31,420
McHenry	51,300	48,700	740	35,820	47,000	45,800	820	37,650
Pierce	41,000	34,300	640	22,020	35,500	34,600	730	25,280
Rolette	12,600	11,900	820	9,790	10,500	10,300	830	8,550
North Central	205,000	184,500	690	127,040	174,000	170,500	830	141,990
Cavalier	25,000	24,300	970	23,670	22,000	21,500	880	18,885
Grand Forks	20,000	19,100	1260	24,130	22,000	21,800	980	21,325
Nelson	56,500	54,900	1310	71,990	46,000	45,900	1010	46,570
Pembina	4,500	4,400	920	4,050	5,000	5,000	1140	5,690
Ramsey	71,000	70,000	1050	73,700	62,000	61,700	880	54,330
Towner	26,500	25,900	990	25,730	23,000	22,800	980	22,250
Walsh	21,500	20,900	850	17,840	20,000	19,400	820	15,970
Northeast	225,000	219,500	1100	241,110	200,000	198,100	930	185,020
Dunn	4,600	1,500	530	790	2,500	2,100	440	914
McKenzie	1,500	1,000	500	500	1,500	1,200	720	864
McLean	64,400	59,300	770	45,900	60,500	55,000	570	31,597
Mercer	5,000	4,400	540	2,360	4,500	3,800	460	1,765
Oliver	6,000	5,000	560	2,800	5,500	5,400	450	2,430
West Central	81,500	71,200	740	52,350	74,500	67,500	560	37,570
Eddy	37,500	36,000	950	34,080	42,000	41,400	970	39,970
Foster	72,500	69,000	1070	73,610	70,000	68,500	1050	71,615
Kidder	3,000	2,200	620	1,360	2,000	1,800	820	1,480
Sheridan	38,000	35,200	610	21,420	35,500	34,000	630	21,280
Stutsman	125,500	118,600	840	99,660	110,000	109,000	1080	117,420
Wells	95,500	91,500	790	72,200	83,500	82,500	790	65,470
Central	372,000	352,500	860	302,330	343,000	337,200	940	317,235
Barnes	104,000	101,200	1110	111,980	99,000	98,700	1170	115,515
Cass	26,200	24,700	1030	25,480	29,500	29,200	1320	38,600
Griggs	33,700	33,400	1320	43,950	25,000	24,700	1080	26,775
Steele	18,000	17,700	1390	24,570	17,000	16,800	1250	21,035
Traill	2,100	2,000	1670	3,330	1,500	1,400	1270	1,775
East Central	184,000	179,000	1170	209,310	172,000	170,800	1190	203,700
Adams	4,900	4,700	480	2,270	4,200	3,800	470	1,782
Billings	500	300	600	180	500	400	450	180
Bowman	2,300	2,000	760	1,512	1,500	1,400	900	1,260
Golden Valley	500	400	600	240	500	400	450	180
Hettinger	18,500	17,000	580	9,860	11,400	11,200	450	5,008
Slope	2,500	2,200	770	1,698	2,000	1,900	820	1,560
Stark	6,800	6,100	550	3,360	5,700	5,500	470	2,585
Southwest	36,000	32,700	580	19,120	25,800	24,600	510	12,555
Burleigh	11,000	7,000	470	3,310	9,700	9,100	290	2,630
Emmons	8,500	6,500	370	2,410	8,200	7,100	270	1,920
Grant	16,500	15,300	800	12,280	12,500	11,900	480	5,760
Morton	14,000	13,000	480	6,240	13,300	12,500	490	6,170
Sioux	1,000	700	370	260	1,000	900	400	360
South Central	51,000	42,500	580	24,500	44,700	41,500	410	16,840
Dickey	37,500	36,800	850	31,400	38,000	37,900	1320	50,170
LaMoure	82,000	79,500	990	78,590	69,000	68,700	1390	95,400
Logan	7,500	6,900	720	5,000	5,000	4,700	990	4,640
McIntosh	11,500	6,700	480	3,230	11,500	11,200	930	10,405
Ransom	37,000	34,000	870	29,630	31,500	31,400	1350	42,305
Richland	9,000	8,800	1200	10,560	13,000	12,900	1480	19,120
Sargent	31,500	31,100	800	25,010	25,000	24,700	1460	36,000
Southeast	216,000	203,800	900	183,420	193,000	191,500	1350	258,040
STATE	1,500,000	1,410,000	892	1,257,600	1,320,000	1,290,000	957	1,234,800

SUNFLOWER

North Dakota, 1990

District and County	Oil				Non-Oil			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Lbs.)	(000 Lbs.)	(Acres)	(Acres)	(Lbs.)	(000 Lbs.)
Burke	11,000	10,500	890	9,350	0	0	---	0
Divide	4,000	4,000	820	3,280	0	0	---	0
Mountrail	6,500	6,400	650	4,160	200	200	650	130
Renville	9,000	8,900	900	8,010	4,000	4,000	650	2,600
Ward	36,000	35,700	950	33,940	4,800	4,800	1210	5,820
Williams	3,500	3,500	560	1,960	0	0	---	0
Northwest	70,000	69,000	880	60,700	9,000	9,000	950	8,550
Benson	40,000	39,000	1040	40,550	15,000	15,000	980	14,690
Bottineau	18,000	18,000	950	17,100	7,000	7,000	1130	7,910
McHenry	32,000	31,500	900	28,350	3,500	3,500	1060	3,710
Pierce	25,000	21,500	1070	23,000	7,500	7,500	880	6,600
Rolette	5,000	5,000	1200	6,000	4,000	4,000	930	3,720
North Central	120,000	115,000	1000	115,000	37,000	37,000	990	36,630
Cavalier	5,500	5,400	870	4,700	13,000	12,900	1100	14,190
Grand Forks	20,000	19,500	1360	26,520	10,000	10,000	1220	12,200
Nelson	31,500	31,000	1300	40,290	24,000	23,800	1350	32,130
Pembina	4,500	4,000	1410	5,640	1,500	1,500	1640	2,460
Ramsey	21,000	20,000	920	18,400	40,000	38,800	940	36,480
Towner	13,500	13,500	940	12,690	7,500	7,500	760	5,700
Walsh	14,000	13,600	850	11,560	4,000	4,000	1060	4,240
Northeast	110,000	107,000	1120	119,800	100,000	98,500	1090	107,400
Dunn	2,600	1,500	530	795	500	400	500	200
McKenzie	400	200	400	80	0	0	---	0
McLean	28,000	26,500	700	18,530	1,500	1,400	550	770
Mercer	4,000	3,600	540	1,940	1,000	900	510	460
Oliver	5,000	3,200	330	1,055	0	0	---	0
West Central	40,000	35,000	640	22,400	3,000	2,700	530	1,430
Eddy	22,000	21,600	1200	25,920	16,000	15,900	1270	20,190
Foster	40,000	39,000	1320	51,480	25,000	24,900	1360	33,860
Kidder	3,000	2,900	860	2,490	1,000	1,000	1110	1,110
Sheridan	25,000	22,500	720	16,200	4,000	3,900	770	3,000
Stutsman	91,000	87,000	1170	101,760	34,000	33,900	1210	41,030
Wells	59,000	57,000	1210	68,950	25,000	24,900	1180	29,390
Central	240,000	230,000	1160	266,800	105,000	104,500	1230	128,580
Barnes	87,000	86,000	1340	115,230	29,000	28,600	1280	36,600
Cass	39,000	38,100	1640	62,480	21,000	21,000	1680	35,280
Griggs	24,500	24,500	1520	37,240	5,000	5,000	1510	7,550
Steele	13,000	12,900	1690	21,800	8,000	8,000	1480	11,840
Traill	1,500	1,500	1900	2,850	7,000	6,900	1680	11,590
East Central	165,000	163,000	1470	239,600	70,000	69,500	1480	102,860
Adams	3,500	3,400	400	1,360	0	0	---	0
Billings	300	200	400	80	0	0	---	0
Bowman	1,400	1,300	450	585	300	300	400	120
Golden Valley	300	300	1000	300	0	0	---	0
Hettinger	8,500	8,400	700	5,875	1,000	1,000	480	480
Slope	2,000	1,900	300	570	700	700	370	260
Stark	4,000	3,500	380	1,330	0	0	---	0
Southwest	20,000	19,000	530	10,100	2,000	2,000	430	860
Burleigh	7,000	5,200	360	1,870	500	400	350	140
Emmons	5,000	4,100	330	1,360	300	300	300	90
Grant	8,000	6,000	300	1,800	3,000	1,500	290	435
Morton	9,000	4,000	190	760	200	100	250	25
Sioux	1,000	700	300	210	0	0	---	0
South Central	30,000	20,000	300	6,000	4,000	2,300	300	690
Dickey	28,000	27,500	1350	37,130	15,000	15,000	1310	19,650
LaMoure	70,000	69,000	1270	87,650	13,000	12,900	1290	16,640
Logan	4,500	4,400	930	4,090	500	500	1000	500
McIntosh	10,000	9,100	950	8,640	1,500	1,300	500	650
Ransom	31,000	30,500	1260	38,430	3,000	3,000	1510	4,530
Richland	24,000	24,000	1340	32,160	19,000	18,900	1570	29,670
Sargent	17,500	17,500	1320	23,100	8,000	7,900	1400	11,060
Southeast	185,000	182,000	1270	231,200	60,000	59,500	1390	82,700
STATE	980,000	940,000	1140	1,071,600	390,000	385,000	1220	469,700

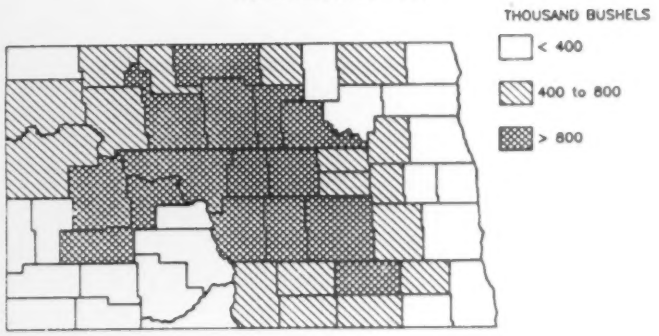
SUNFLOWER

North Dakota, 1989

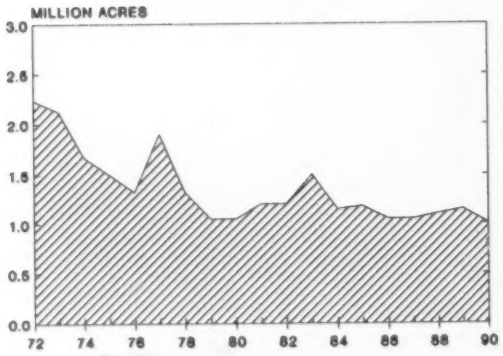
District and County	Oil				Non-oil			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Lbs.)	(000 Lbs.)	(Acres)	(Acres)	(Lbs.)	(000 Lbs.)
Burke	12,000	11,000	460	5,060	300	200	450	90
Divide	4,000	3,200	650	2,080	---	---	---	---
Mountrail	14,500	13,000	460	5,980	1,100	1,000	350	350
Renville	11,000	10,700	920	9,840	1,600	1,500	440	660
Ward	40,000	39,800	810	32,430	5,000	4,500	700	3,150
Williams	3,500	3,400	650	2,210	---	---	---	---
Northwest	85,000	81,100	710	57,600	8,000	7,200	590	4,250
Benson	35,000	34,300	800	27,430	14,500	14,300	820	11,660
Bottineau	25,500	25,300	960	24,280	6,000	5,900	1210	7,140
McHenry	41,000	40,000	760	30,400	6,000	5,800	1250	7,250
Pierce	29,000	28,300	700	19,800	6,500	6,300	870	5,480
Rolette	7,500	7,400	850	6,290	3,000	2,900	780	2,260
North Central	138,000	135,300	800	108,200	36,000	35,200	960	33,790
Cavalier	7,500	7,400	970	7,180	14,500	14,100	830	11,705
Grand Forks	15,000	15,000	1000	15,000	7,000	6,800	930	6,325
Nelson	25,000	25,000	1010	25,250	21,000	20,900	1020	21,320
Pembina	4,500	4,500	1140	5,130	500	500	1120	560
Ramsey	27,500	27,400	890	24,490	34,500	34,300	870	29,840
Towner	15,500	15,400	950	14,630	7,500	7,400	1030	7,620
Walsh	15,000	14,900	800	11,920	5,000	4,500	900	4,050
Northeast	110,000	109,600	950	103,600	90,000	88,500	920	81,420
Dunn	2,000	1,700	420	714	500	400	500	200
McKenzie	1,500	1,200	720	864	---	---	---	---
McLean	56,000	51,000	580	29,477	4,500	4,000	530	2,120
Mercer	3,000	2,700	450	1,215	1,500	1,100	500	550
Oliver	5,500	5,400	450	2,430	---	---	---	---
West Central	68,000	62,000	560	34,700	6,500	5,500	520	2,870
Eddy	21,500	21,300	990	21,080	20,500	20,100	940	18,890
Foster	35,000	34,500	1210	41,790	35,000	34,000	880	29,825
Kidder	1,500	1,400	800	1,120	500	400	900	360
Sheridan	27,000	26,000	640	16,640	8,500	8,000	580	4,640
Stutsman	82,000	81,500	1070	87,200	28,000	27,500	1100	30,220
Wells	53,000	52,500	790	41,470	30,500	30,000	800	24,000
Central	220,000	217,200	960	209,300	123,000	120,000	900	107,935
Barnes	83,500	83,300	1230	102,270	15,500	15,400	860	13,245
Cass	23,000	22,800	1320	30,090	6,500	6,400	1330	8,510
Griggs	20,000	19,800	1120	22,170	5,000	4,900	940	4,605
Steele	13,000	12,900	1250	16,120	4,000	3,900	1260	4,915
Traill	500	500	1300	650	1,000	900	1250	1,125
East Central	140,000	139,300	1230	171,300	32,000	31,500	1030	32,400
Adams	4,000	3,600	480	1,710	200	200	360	72
Billings	500	400	450	180	---	---	---	---
Bowman	1,500	1,400	900	1,260	---	---	---	---
Golden Valley	500	400	450	180	---	---	---	---
Hettinger	11,000	10,900	450	4,870	400	300	460	138
Slope	2,000	1,900	820	1,560	---	---	---	---
Stark	5,500	5,400	470	2,540	200	100	450	45
Southwest	25,000	24,000	510	12,300	800	600	430	255
Burleigh	9,000	8,500	270	2,300	700	600	550	330
Emmons	8,100	7,000	270	1,890	100	100	300	30
Grant	7,500	7,400	450	3,330	5,000	4,500	540	2,430
Morton	8,400	8,200	600	4,920	4,900	4,300	290	1,250
Sioux	1,000	900	400	360	---	---	---	---
South Central	34,000	32,000	400	12,800	10,700	9,500	430	4,040
Dickey	33,500	33,500	1340	44,890	4,500	4,400	1200	5,280
LaMoure	57,000	56,900	1440	81,940	12,000	11,800	1140	13,460
Logan	4,000	3,900	1000	3,900	1,000	800	930	740
McIntosh	9,500	9,300	1010	9,400	2,000	1,900	530	1,005
Ransom	28,000	28,000	1350	37,800	3,500	3,400	1330	4,505
Richland	10,000	10,000	1590	15,900	3,000	2,900	1110	3,220
Sargent	18,000	17,900	1540	27,570	7,000	6,800	1240	8,430
Southeast	160,000	159,500	1390	221,400	33,000	32,000	1150	36,640
STATE	980,000	960,000	970	931,200	340,000	330,000	920	303,600

OATS

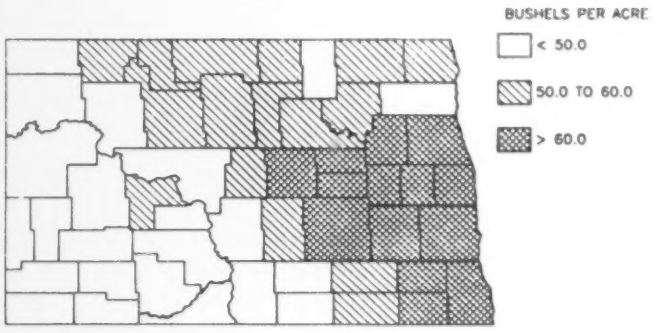
PRODUCTION
NORTH DAKOTA, 1990



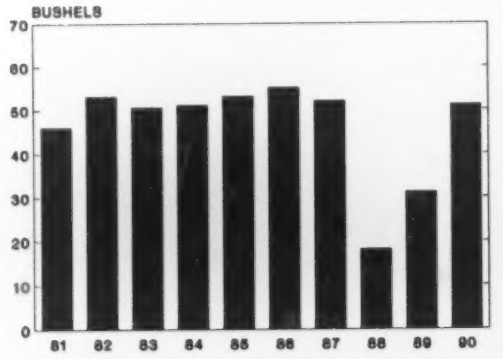
PLANTED ACRES
NORTH DAKOTA, 1972 - 90



YIELD PER ACRE
NORTH DAKOTA, 1990



YIELD PER ACRE
NORTH DAKOTA, 1981 - 90



North Dakota, 1981-90

Year	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Marketing Year Avg. Price	Value of Production	Value Per Harvested Acre
	(Acres)	(Acres)	(Bu.)	(Bu.)	($/Bu.)	(Dols.)	(Dols.)
1981	1,200,000	960,000	46.0	44,160,000	1.65	72,864,000	75.90
1982	1,200,000	1,050,000	53.0	55,650,000	1.19	66,224,000	63.07
1983	1,500,000	1,260,000	50.5	63,630,000	1.37	87,173,000	69.18
1984	1,150,000	980,000	51.0	49,980,000	1.42	70,972,000	72.42
1985	1,175,000	840,000	53.0	44,520,000	1.05	46,746,000	55.65
1986	1,050,000	700,000	55.0	38,500,000	1.20	46,200,000	66.00
1987	1,050,000	700,000	52.0	36,400,000	1.57	57,148,000	81.64
1988	1,100,000	400,000	18.0	7,200,000	2.34	16,848,000	42.12
1989	1,150,000	650,000	31.0	20,150,000	1.20	24,180,000	37.20
1990	1,000,000	600,000	51.0	30,600,000	.93	28,458,000	47.43

June 1991

OATS CONT.

North Dakota, 1990 and 5-Year Average, 1985-89

District and County	1990				5-Year Average, 1985-89			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	14,000	13,000	52.0	676,000	14,600	10,100	41.9	419,000
Divide	9,000	7,000	40.6	284,000	13,100	8,600	34.8	281,400
Mountrail	18,000	14,500	49.0	710,000	22,600	14,200	40.3	554,000
Renville	10,000	9,500	58.0	551,000	18,900	14,800	49.2	736,600
Ward	35,000	31,000	59.0	1,829,000	40,600	31,900	46.1	1,508,200
Williams	19,000	15,000	30.0	450,000	20,200	11,800	31.8	358,000
Northwest	105,000	90,000	50.0	4,500,000	130,000	91,400	42.9	3,857,200
Benson	16,000	15,000	57.0	855,000	17,600	11,200	37.0	453,000
Bottineau	16,000	15,000	58.0	870,000	22,000	18,100	50.6	874,200
McHenry	37,000	32,500	57.0	1,853,000	38,900	29,100	39.8	1,247,800
Pierce	20,000	17,000	58.0	986,000	17,800	12,200	35.0	457,600
Rolette	11,000	9,500	58.5	556,000	7,700	5,800	43.6	236,800
North Central	100,000	89,000	57.5	5,120,000	104,000	76,400	41.6	3,269,400
Cavalier	10,000	9,000	57.0	513,000	5,500	4,500	57.0	225,800
Grand Forks	5,000	4,800	66.0	317,000	6,100	4,900	53.8	266,000
Nelson	8,000	7,300	69.0	504,000	9,400	7,900	44.4	342,000
Pembina	3,500	2,800	60.0	168,000	3,700	3,100	53.4	170,800
Ramsey	4,500	4,000	52.0	208,000	5,300	4,400	52.8	198,800
Towner	4,000	3,100	42.6	132,000	4,400	2,800	44.7	108,000
Walsh	5,000	4,000	47.0	188,000	6,600	5,000	54.5	254,200
Northeast	40,000	35,000	58.0	2,030,000	41,000	32,600	51.0	1,565,600
Dunn	63,000	22,500	43.5	978,000	47,800	19,200	38.0	817,600
McKenzie	28,000	12,500	48.5	606,000	25,800	8,800	35.9	366,400
McLean	35,000	29,000	49.5	1,435,000	50,600	36,300	42.6	1,562,200
Mercer	29,000	15,500	53.0	821,000	36,200	17,600	46.1	935,600
Oliver	25,000	11,500	30.0	345,000	21,600	11,900	39.5	564,000
West Central	180,000	91,000	46.0	4,185,000	182,000	93,800	41.5	4,245,800
Eddy	9,500	9,000	63.6	572,000	14,600	11,300	39.1	449,200
Foster	8,000	7,500	74.5	559,000	12,600	9,100	45.9	392,400
Kidder	23,000	16,000	57.0	912,000	30,100	14,400	35.9	615,000
Sheridan	18,500	15,000	55.5	832,000	18,800	11,600	37.2	487,200
Stutsman	20,000	18,000	68.5	1,233,000	33,800	22,000	44.6	1,034,200
Wells	16,000	14,500	61.5	892,000	17,100	10,600	40.3	429,400
Central	95,000	80,000	62.5	5,000,000	127,000	79,000	40.4	3,407,400
Barnes	8,500	7,200	69.0	497,000	14,100	9,500	46.4	450,600
Cass	6,000	5,000	72.0	360,000	7,600	6,400	59.0	381,600
Griggs	6,000	5,600	78.0	437,000	9,000	6,700	42.3	298,000
Steele	3,000	2,800	83.2	233,000	3,000	2,400	50.3	131,200
Traill	1,500	1,400	70.0	98,000	2,300	1,800	54.3	106,200
East Central	25,000	22,000	73.9	1,625,000	36,000	26,800	49.2	1,367,600
Adams	20,000	7,000	27.0	189,000	19,500	11,400	35.4	454,200
Billings	20,000	9,300	36.0	335,000	15,400	6,200	33.8	261,400
Bowman	18,000	3,000	21.0	63,000	16,500	6,700	35.5	261,600
Golden Valley	14,000	6,100	31.5	192,000	12,100	6,500	35.3	253,400
Hettinger	22,000	7,500	32.5	244,000	28,200	18,300	37.8	739,600
Slope	11,000	3,100	29.0	90,000	11,200	5,800	37.3	230,000
Stark	50,000	22,000	36.5	802,000	47,100	23,300	36.9	1,009,800
Southwest	155,000	58,000	33.0	1,915,000	150,000	78,200	37.1	3,210,000
Burleigh	41,000	26,500	42.5	1,127,000	42,700	20,800	36.0	938,600
Emmons	52,000	13,400	42.0	563,000	52,600	20,300	33.9	884,200
Grant	39,000	5,100	25.5	130,000	38,900	18,700	38.6	852,600
Morton	52,000	9,400	25.5	240,000	50,700	23,000	39.1	1,140,000
Sioux	16,000	3,600	23.6	85,000	15,100	5,400	31.6	207,200
South Central	200,000	58,000	37.0	2,145,000	200,000	88,200	36.7	4,022,600
Dickey	15,000	12,500	54.5	681,000	20,000	13,700	39.8	626,800
LaMoure	16,000	14,700	58.5	860,000	24,500	17,500	45.7	852,600
Logan	16,000	10,500	49.5	520,000	18,600	9,200	39.3	410,800
McIntosh	33,000	21,500	36.0	774,000	33,000	19,400	33.0	735,600
Ransom	9,000	8,200	70.5	578,000	13,900	10,800	50.1	593,600
Richland	6,000	5,000	69.0	345,000	13,800	11,700	54.8	701,600
Sargent	5,000	4,600	70.0	322,000	11,200	9,300	47.7	487,400
Southeast	100,000	77,000	53.0	4,080,000	135,000	91,600	43.4	4,408,400
STATE	1,000,000	600,000	51.0	30,600,000	1,105,000	658,000	41.8	29,354,000

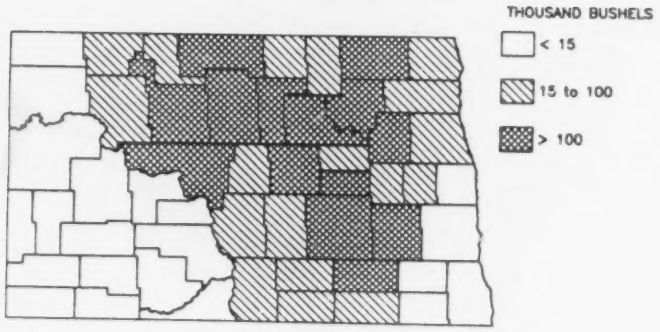
OATS

North Dakota, 1988 and 1989

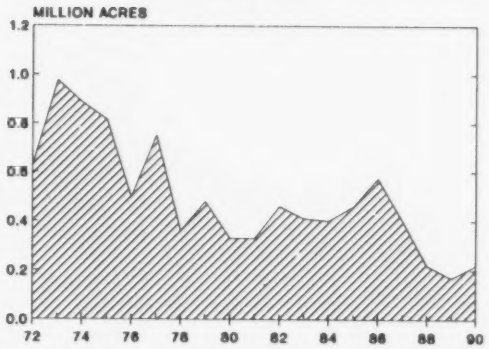
District and County	1988				1989			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	19,000	11,500	30.9	355,000	15,000	9,500	22.5	214,000
Divide	18,000	11,000	19.0	209,000	13,000	10,500	19.0	200,000
Mountrail	26,500	16,000	19.5	312,000	20,000	14,000	25.0	350,000
Renville	23,500	16,500	23.0	380,000	18,000	15,500	30.5	473,000
Ward	50,000	31,000	16.5	512,000	42,000	34,500	33.5	1,157,000
Williams	23,000	10,000	16.0	160,000	22,000	16,000	16.0	256,000
Northwest	160,000	96,000	20.1	1,928,000	130,000	100,000	26.5	2,650,000
Benson	17,000	6,500	13.5	88,000	22,000	11,500	23.5	270,000
Bottineau	27,500	21,500	27.1	582,000	25,000	20,500	42.0	861,000
McHenry	32,500	17,500	15.5	271,000	39,000	30,000	28.0	840,000
Pierce	15,000	6,000	13.0	78,000	22,000	14,000	26.0	364,000
Rolette	8,000	5,500	22.0	121,000	12,000	10,000	33.5	335,000
North Central	100,000	57,000	20.0	1,140,000	120,000	86,000	31.0	2,670,000
Cavalier	7,000	5,400	23.5	127,000	9,000	8,000	43.5	348,000
Grand Forks	6,000	4,300	27.0	116,000	6,000	5,000	40.0	200,000
Nelson	11,500	8,800	25.5	224,000	9,000	8,000	27.0	216,000
Pembina	3,000	2,200	23.2	51,000	4,500	4,000	56.0	224,000
Ramsey	7,500	6,200	25.0	155,000	8,000	7,000	33.0	231,000
Towner	7,500	5,300	20.0	106,000	6,000	3,500	42.0	147,000
Walsh	7,500	5,800	26.0	151,000	7,500	6,500	42.0	273,000
Northeast	50,000	38,000	24.5	930,000	50,000	42,000	39.0	1,639,000
Dunn	45,500	5,500	14.0	77,000	53,000	22,500	29.0	652,000
McKenzie	26,500	2,500	20.0	50,000	25,000	8,500	27.1	230,000
McLean	66,000	36,000	14.0	504,000	45,000	33,000	31.5	1,040,000
Mercer	33,000	6,500	17.5	114,000	35,000	13,500	33.5	452,000
Oliver	19,000	4,500	11.8	53,000	22,000	7,500	23.5	176,000
West Central	190,000	55,000	14.5	798,000	180,000	85,000	30.0	2,550,000
Eddy	14,000	10,000	21.0	210,000	15,000	10,500	21.5	226,000
Foster	17,500	11,200	23.0	258,000	14,000	10,500	32.0	336,000
Kidder	23,000	1,000	15.0	15,000	32,000	4,000	32.5	130,000
Sheridan	17,500	7,300	11.5	84,000	19,000	7,500	24.4	183,000
Stutsman	38,500	15,000	16.0	240,000	37,000	23,000	32.0	736,000
Wells	24,500	11,500	15.0	173,000	18,000	9,500	22.0	209,000
Central	135,000	56,000	17.5	980,000	135,000	65,000	28.0	1,820,000
Barnes	12,500	5,000	21.0	105,000	18,000	14,300	33.5	479,000
Cass	7,000	5,000	18.0	90,000	9,000	8,000	45.0	360,000
Griggs	7,500	5,800	25.5	148,000	8,000	5,700	29.5	168,000
Steele	2,000	1,700	26.5	45,000	3,000	2,200	30.5	67,000
Traill	1,000	500	34.0	17,000	2,000	1,800	33.9	61,000
East Central	30,000	18,000	22.5	405,000	40,000	32,000	35.5	1,135,000
Adams	19,000	3,000	10.0	30,000	17,000	13,500	32.5	439,000
Billings	12,000	1,300	11.5	15,000	15,000	7,000	31.0	217,000
Bowman	13,500	1,700	14.7	25,000	16,000	11,000	35.5	390,000
Golden Valley	11,000	2,500	12.0	30,000	11,000	8,500	44.0	374,000
Hettinger	34,000	13,500	10.5	142,000	28,000	18,000	28.0	504,000
Slope	9,500	3,500	10.0	35,000	13,000	8,500	39.5	336,000
Stark	41,000	8,500	11.5	98,000	45,000	16,500	24.0	396,000
Southwest	140,000	34,000	11.0	375,000	145,000	83,000	32.0	2,656,000
Burleigh	38,000	3,000	8.0	24,000	47,000	12,000	24.0	288,000
Emmons	49,000	2,000	6.5	13,000	54,000	8,000	24.5	196,000
Grant	33,000	5,000	15.0	75,000	42,000	14,000	19.0	266,000
Morton	36,000	2,000	12.5	25,000	50,000	13,500	20.0	270,000
Sioux	14,000	1,000	12.0	12,000	17,000	4,500	16.0	72,000
South Central	170,000	13,000	11.5	149,000	210,000	52,000	21.0	1,092,000
Dickey	19,000	4,000	8.0	32,000	22,000	16,500	36.0	594,000
LaMoure	25,000	7,200	12.5	90,000	29,000	25,500	36.0	918,000
Logan	18,000	2,500	20.0	50,000	17,000	7,000	24.0	168,000
McIntosh	29,000	1,500	12.0	18,000	35,000	21,000	22.0	462,000
Ransom	12,500	5,100	18.0	92,000	13,000	12,000	47.5	570,000
Richland	11,500	7,500	21.5	161,000	12,000	11,500	51.6	593,000
Sargent	10,000	5,200	10.0	52,000	12,000	11,500	55.0	633,000
Southeast	125,000	33,000	15.0	495,000	140,000	105,000	37.5	3,938,000
STATE	1,100,000	400,000	18.0	7,200,000	1,150,000	650,000	31.0	20,150,000

FLAXSEED

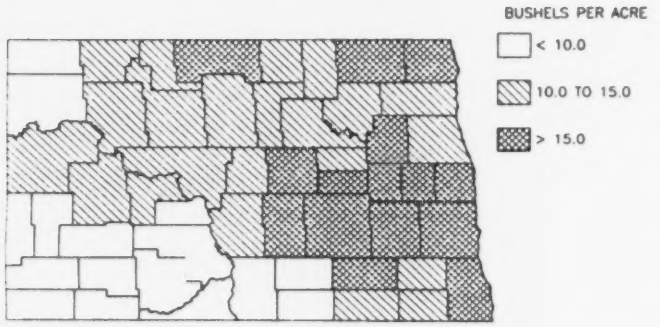
PRODUCTION
NORTH DAKOTA, 1990



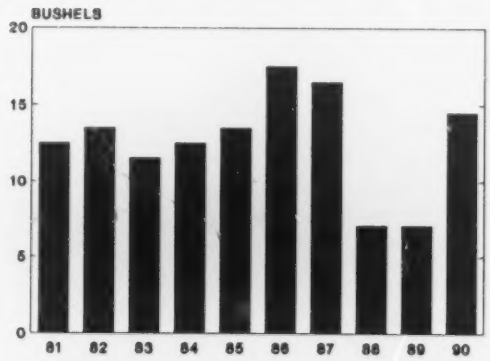
PLANTED ACRES
NORTH DAKOTA, 1972 - 90



YIELD PER ACRE
NORTH DAKOTA, 1990



YIELD PER ACRE
NORTH DAKOTA, 1981 - 90



North Dakota, 1981-90

Year	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Marketing Year Avg. Price	Value of Production	Value Per Harvested Acre
	(Acres)	(Acres)	(Bu.)	(Bu.)	($/Bu.)	(Dols.)	(Dols.)
1981	330,000	320,000	12.5	4,000,000	6.57	26,280,000	82.13
1982	460,000	435,000	13.5	5,873,000	5.14	30,187,000	69.40
1983	410,000	400,000	11.5	4,600,000	6.83	31,418,000	78.55
1984	400,000	390,000	12.5	4,875,000	6.07	29,591,000	75.87
1985	460,000	445,000	13.5	6,008,000	5.00	30,040,000	67.51
1986	575,000	545,000	17.5	9,538,000	3.45	32,906,000	60.38
1987	400,000	395,000	16.5	6,518,000	3.39	22,096,000	55.94
1988	220,000	185,000	7.0	1,295,000	7.54	9,764,000	52.78
1989	170,000	140,000	7.0	980,000	7.25	7,105,000	50.75
1990	220,000	215,000	14.5	3,118,000	5.25	16,370,000	76.14

June 1991

FLAXSEED

North Dakota, 1989 and 1990

District and County	1989				1990			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	4,000	3,800	5.5	20,900	6,500	6,500	13.5	87,900
Divide	1,000	800	6.0	4,800	1,500	1,500	8.0	12,000
Mountrail	2,000	1,800	4.5	8,100	5,000	4,900	11.5	56,400
Renville	5,000	4,700	7.5	35,300	6,000	6,000	13.5	81,100
Ward	11,000	10,300	8.0	82,200	14,500	14,300	15.0	214,800
Williams	1,500	1,400	5.5	7,700	1,000	1,000	9.5	9,500
Northwest	24,500	22,800	7.0	159,000	34,500	34,200	13.5	461,700
Benson	8,000	7,500	6.5	48,800	9,200	9,100	15.0	136,200
Bottineau	7,000	6,900	8.6	59,400	9,500	9,300	16.5	153,000
McHenry	5,500	4,900	6.0	29,400	7,500	7,500	14.0	104,800
Pierce	7,000	6,000	6.0	36,000	8,000	7,800	13.0	101,200
Rolette	2,500	2,400	8.5	20,400	4,300	4,300	13.0	55,800
North Central	30,000	27,700	7.0	194,000	38,500	38,000	14.5	551,000
Cavalier	11,500	11,400	8.5	97,000	15,000	14,900	16.0	238,800
Grand Forks	500	500	8.0	4,000	1,500	1,500	13.0	19,500
Nelson	5,500	5,200	7.5	39,000	6,000	6,000	19.5	117,200
Pembina	1,200	1,000	15.0	15,000	1,500	1,400	25.0	35,000
Ramsey	11,000	10,900	7.3	80,000	13,000	12,900	11.0	142,100
Towner	6,500	6,400	8.0	51,200	9,500	9,400	10.5	98,800
Walsh	2,800	2,600	6.5	16,800	2,500	2,400	11.5	27,600
Northeast	39,000	38,000	8.0	303,000	49,000	48,500	14.0	679,000
Dunn	---	---	---	---	200	200	10.0	2,000
McKenzie	700	400	4.0	1,600	100	100	10.0	1,000
McLean	9,500	8,100	5.6	45,600	12,000	11,300	11.6	131,300
Mercer	600	500	6.6	3,300	700	700	12.0	8,400
Oliver	700	500	3.0	1,500	500	500	9.0	4,500
West Central	11,500	9,500	5.5	52,000	13,500	12,800	11.5	147,200
Eddy	1,300	1,200	6.0	7,200	3,200	3,100	14.0	43,400
Foster	1,200	1,100	6.5	7,100	5,000	5,000	23.0	115,000
Kidder	4,000	1,600	4.5	7,200	3,000	2,900	16.0	46,400
Sheridan	7,000	4,500	4.0	18,000	7,000	6,900	10.0	69,000
Stutsman	9,500	7,500	8.2	61,300	12,800	12,800	19.0	243,400
Wells	6,000	3,600	4.5	16,200	8,000	7,900	19.0	150,100
Central	29,000	19,500	6.0	117,000	39,000	38,600	17.3	667,300
Barnes	4,300	3,600	6.0	21,600	6,800	6,800	22.0	149,600
Cass	600	600	9.5	5,700	700	700	19.0	13,300
Griggs	1,800	1,400	6.0	8,400	4,200	4,200	19.8	83,100
Steele	2,300	1,900	7.0	13,300	4,200	4,200	19.0	79,800
Traill	---	---	---	---	100	100	22.0	2,200
East Central	9,000	7,500	6.5	49,000	16,000	16,000	20.5	328,000
Adams	---	---	---	---	300	200	2.0	400
Billings	100	---	---	---	0	0	0.0	0
Bowman	300	200	6.5	1,300	200	200	2.0	400
Golden Valley	---	---	---	---	0	0	0.0	0
Hettinger	400	400	6.0	2,400	500	500	3.0	1,500
Slope	---	---	---	---	700	500	2.4	1,200
Stark	700	400	4.5	1,800	300	200	2.5	500
Southwest	1,500	1,000	5.5	5,500	2,000	1,600	2.5	4,000
Burleigh	3,700	1,400	4.2	5,900	3,500	2,800	12.0	33,600
Emmons	5,000	1,000	2.5	2,500	3,500	2,900	6.6	19,200
Grant	500	200	3.5	700	200	200	9.0	1,800
Morton	1,200	400	3.5	1,400	1,200	800	3.0	2,400
Sioux	100	---	---	---	100	100	8.0	800
South Central	10,500	3,000	3.5	10,500	8,500	6,800	8.5	57,800
Dickey	1,200	1,100	7.5	8,300	2,500	2,500	12.5	31,200
LaMoure	4,400	4,100	9.5	38,900	6,400	6,400	16.7	106,900
Logan	3,500	2,100	6.0	12,500	2,800	2,700	8.0	21,600
McIntosh	4,800	2,700	6.0	16,200	5,400	5,100	7.0	35,600
Ransom	200	100	13.0	1,300	300	300	14.0	4,200
Richland	400	400	12.0	4,800	700	600	18.0	10,800
Sargent	500	500	16.0	8,000	900	900	13.0	11,700
Southeast	15,000	11,000	8.2	90,000	19,000	18,500	12.0	222,000
STATE	170,000	140,000	7.0	980,000	220,000	215,000	14.5	3,118,000

RYE

North Dakota, 1989 and 1990

District and County	1989				1990			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
Burke	1,000	900	19.0	17,100	400	400	29.0	11,600
Divide	800	700	12.0	8,400	300	300	27.0	8,100
Mountrail	700	600	18.0	10,800	500	300	28.0	8,400
Renville	900	800	24.0	19,200	100	100	29.0	2,900
Ward	600	500	27.0	13,500	500	500	35.0	17,500
Williams	2,500	2,400	19.0	45,600	3,000	2,400	34.0	81,500
Northwest	6,500	5,900	19.4	114,600	4,800	4,000	32.5	130,000
Benson	300	200	32.5	6,500	100	100	28.0	2,800
Bottineau	3,600	3,500	30.0	105,000	1,000	900	24.0	21,600
McHenry	1,800	1,700	21.0	35,700	2,000	1,700	29.0	49,300
Pierce	1,200	1,100	22.0	24,200	2,000	1,900	24.5	46,500
Rolette	300	300	18.0	5,400	400	400	37.0	14,800
North Central	7,200	6,800	26.0	176,800	5,500	5,000	27.0	135,000
Cavalier	---	---	---	---	---	---	---	---
Grand Forks	200	200	18.5	3,700	200	200	28.5	5,700
Nelson	100	100	19.0	1,900	100	---	---	---
Pembina	100	100	23.0	2,300	100	100	35.0	3,500
Ramsey	---	---	---	---	---	---	---	---
Towner	700	700	22.0	15,400	500	400	37.0	14,800
Walsh	200	100	19.0	1,900	100	100	40.0	4,000
Northeast	1,300	1,200	21.0	25,200	1,000	800	35.0	28,000
Dunn	400	200	21.0	4,200	300	100	32.0	3,200
McKenzie	1,100	500	21.0	10,500	1,500	400	25.0	10,000
McLean	100	100	25.0	2,500	300	200	40.0	8,000
Mercer	300	200	20.0	4,000	200	100	29.0	2,900
Oliver	200	100	19.0	1,900	200	200	37.0	7,400
West Central	2,100	1,100	21.0	23,100	2,500	1,000	31.5	31,500
Eddy	600	500	25.0	12,500	400	400	36.0	14,400
Foster	1,000	900	24.0	21,600	500	500	38.0	19,000
Kidder	100	100	19.0	1,900	400	200	18.0	3,600
Sheridan	---	---	---	---	200	100	40.0	4,000
Stutsman	3,300	3,000	30.0	90,000	1,500	1,400	32.5	45,500
Wells	---	---	---	---	1,000	900	40.0	36,000
Central	5,000	4,500	28.0	126,000	4,000	3,500	35.0	122,500
Barnes	1,700	1,500	31.0	46,500	800	700	35.0	24,500
Cass	200	200	33.0	6,600	300	200	40.0	8,000
Griggs	---	---	---	---	---	---	---	---
Steele	100	100	27.0	2,700	100	100	35.0	3,500
Traill	---	---	---	---	---	---	---	---
East Central	2,000	1,800	31.0	55,800	1,200	1,000	36.0	36,000
Adams	100	100	18.0	1,800	500	100	26.0	2,600
Billings	300	200	22.0	4,400	600	200	24.0	4,800
Bowman	200	100	19.0	1,900	500	100	21.0	2,100
Golden Valley	100	100	25.0	2,500	100	---	---	---
Hettinger	200	100	20.0	2,000	700	500	21.0	10,500
Slope	500	200	20.0	4,000	1,000	500	16.0	8,000
Stark	200	100	23.0	2,300	600	200	20.0	4,000
Southwest	1,600	900	21.0	18,900	4,000	1,600	20.0	32,000
Burleigh	300	100	16.0	1,600	500	300	11.0	3,300
Emmons	400	100	15.0	1,500	800	600	22.0	13,200
Grant	700	300	17.0	5,100	1,400	900	22.0	19,800
Morton	600	300	18.0	5,400	1,000	200	14.0	2,800
Sioux	---	---	---	---	300	100	19.0	1,900
South Central	2,000	800	17.0	13,600	4,000	2,100	19.5	41,000
Dickey	7,200	7,000	36.0	252,000	3,600	3,400	31.0	105,500
LaMoure	4,700	3,500	33.0	115,500	1,700	1,600	35.0	56,000
Logan	300	100	17.0	1,700	300	200	29.0	5,800
McIntosh	800	500	16.0	8,000	1,200	900	26.0	23,400
Ransom	800	700	30.0	21,000	400	300	35.0	10,500
Richland	1,100	1,000	37.0	37,000	400	300	36.0	10,800
Sargent	2,400	2,200	34.0	74,800	400	300	40.0	12,000
Southeast	17,300	15,000	34.0	510,000	8,000	7,000	32.0	224,000
STATE	45,000	38,000	28.0	1,064,000	35,000	26,000	30.0	780,000

CORN

North Dakota, 1990 1/

District and County	All Corn Acres Planted	Corn for Grain			Corn for Silage		
		Harvested	Yield Per Acre	Production	Harvested	Yield Per Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Tons)	(Tons)
Burke	600	300	51.7	15,500	300	3.0	900
Divide	300	--	--	--	200	2.5	500
Mountrail	1,300	--	--	--	1,300	2.7	3,500
Renville	1,000	--	--	--	1,000	3.2	3,200
Ward	4,500	1,800	51.6	92,900	2,600	4.3	11,200
Williams	1,300	100	70.0	7,000	1,200	6.7	8,000
Northwest	9,000	2,200	52.5	115,400	6,600	4.1	27,300
Benson	9,000	4,200	59.1	248,300	3,600	4.5	16,100
Bottineau	1,700	900	51.0	45,900	800	4.5	3,600
McHenry	13,000	2,400	72.1	173,000	9,100	3.7	33,400
Pierce	6,300	1,500	44.0	66,000	4,600	3.9	17,800
Rolette	2,000	100	45.0	4,500	1,800	4.7	8,400
North Central	32,000	9,100	59.1	537,700	19,900	4.0	79,300
Cavalier	200	--	--	--	200	4.0	800
Grand Forks	14,000	10,100	70.3	709,800	3,800	4.9	18,600
Nelson	3,800	1,500	43.7	65,600	2,300	5.4	12,500
Pembina	6,500	3,800	56.0	212,800	2,700	4.0	10,800
Ramsey	1,900	400	45.0	18,000	1,400	4.7	6,600
Towner	800	100	40.0	4,000	700	3.3	2,300
Walsh	7,800	4,600	40.5	186,300	3,100	4.5	14,000
Northeast	35,000	20,500	58.4	1,196,500	14,200	4.6	65,600
Dunn	19,500	200	30.0	6,000	17,900	2.2	39,400
McKenzie	3,700	400	116.0	46,400	3,000	7.2	21,600
McLean	9,900	4,200	53.1	223,200	5,100	5.4	27,500
Mercer	8,400	100	35.0	3,500	8,000	3.9	30,800
Oliver	10,500	400	73.5	29,400	9,700	3.6	34,500
West Central	52,000	5,300	58.2	308,500	43,700	3.5	153,800
Eddy	8,500	3,300	54.9	181,200	4,700	5.5	25,900
Foster	7,500	4,100	68.9	282,500	3,400	5.4	18,400
Kidder	17,500	4,200	105.8	444,200	12,500	4.9	61,000
Sheridan	5,000	1,100	33.0	36,300	3,900	3.2	12,500
Stutsman	20,000	8,500	69.0	586,500	11,000	5.4	59,400
Wells	12,500	8,700	59.6	518,400	3,700	4.7	17,400
Central	71,000	29,900	68.5	2,049,100	39,200	5.0	194,600
Barnes	16,000	10,500	66.2	695,200	5,300	5.6	29,700
Cass	75,000	60,400	84.4	5,098,300	14,500	6.6	95,100
Griggs	5,000	1,800	94.8	170,600	3,200	7.3	23,300
Steele	8,000	6,400	93.9	601,200	1,600	4.7	7,500
Traill	11,000	9,500	92.5	878,800	1,500	6.5	9,800
East Central	115,000	88,600	84.0	7,444,100	26,100	6.3	165,400
Adams	8,000	200	10.0	2,000	6,200	2.2	13,600
Billings	2,100	--	--	--	1,700	2.8	4,800
Bowman	3,000	--	--	--	2,800	1.5	4,200
Golden Valley	1,500	200	54.0	10,800	1,100	3.4	3,700
Hettinger	5,500	800	24.0	19,200	4,600	2.3	10,600
Slope	2,400	--	--	--	2,300	3.0	6,900
Stark	13,500	200	31.0	6,200	11,400	2.2	25,100
Southwest	36,000	1,400	27.3	38,200	30,100	2.3	68,900
Burleigh	19,000	3,100	71.0	220,000	14,800	3.0	44,900
Emmons	29,000	1,300	125.2	162,800	23,500	1.7	40,300
Grant	23,000	2,300	62.3	143,300	17,400	2.1	35,900
Morton	33,000	1,100	81.0	89,100	28,000	2.8	79,100
Sioux	6,000	400	150.0	60,000	5,000	1.6	8,000
South Central	110,000	8,200	82.3	675,200	88,700	2.3	208,200
Dickey	58,000	43,500	79.2	3,444,300	14,200	3.8	54,000
LaMoure	29,000	19,700	67.5	1,328,800	9,200	5.1	46,900
Logan	12,500	1,100	81.9	90,100	10,300	3.7	37,800
McIntosh	11,500	200	53.5	10,700	10,400	3.1	32,200
Ransom	59,000	45,700	84.3	3,854,600	13,200	4.8	63,600
Richland	170,000	142,900	84.6	12,090,800	25,900	7.6	196,800
Sargent	50,000	41,700	86.7	3,616,000	8,300	5.5	45,600
Southeast	390,000	294,800	82.9	24,435,300	91,500	5.2	476,900
STATE	850,000	460,000	80.0	36,800,000	360,000	4.0	1,440,000

1/ See page 79 for irrigated acres.

June 1991

CORN

North Dakota, 1989 1/

District and County	All Corn Acres Planted	Corn for Grain			Corn for Silage		
		Harvested	Yield Per Acre	Production	Harvested	Yield Per Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Tons)	(Tons)
Burke	600	300	15.0	4,500	200	3.5	700
Divide	300	—	—	—	200	1.5	300
Mountrail	1,300	200	25.0	5,000	700	3.6	2,500
Renville	800	200	30.0	6,000	500	2.0	1,000
Ward	4,600	600	32.2	19,300	3,600	3.9	14,200
Williams	1,400	100	60.0	6,000	1,200	4.8	5,800
Northwest	9,000	1,400	29.1	40,800	6,400	3.8	24,500
Benson	9,800	1,700	41.0	69,700	6,000	3.2	19,300
Bottineau	2,000	500	52.8	26,400	900	3.3	3,000
McHenry	13,000	1,600	61.0	97,600	9,000	2.6	23,800
Pierce	6,000	1,400	35.9	50,200	3,400	3.7	12,600
Rolette	2,200	600	22.0	13,200	1,500	2.2	3,300
North Central	33,000	5,800	44.3	257,100	20,800	3.0	62,000
Cavalier	300	100	48.0	4,800	200	2.5	500
Grand Forks	17,000	12,400	44.6	552,900	4,600	5.3	24,200
Nelson	4,400	800	36.9	29,500	3,600	3.9	14,000
Pembina	7,800	5,800	46.0	266,800	1,900	4.9	9,400
Ramsey	2,300	300	24.0	7,200	1,900	3.6	6,800
Towner	1,200	200	28.5	5,700	700	3.6	2,500
Walsh	8,000	4,000	44.0	176,000	3,500	4.2	14,700
Northeast	41,000	23,600	44.2	1,042,900	16,400	4.4	72,100
Dunn	18,000	500	14.4	7,200	13,400	2.1	27,800
McKenzie	5,500	1,400	53.8	75,300	3,800	6.4	24,400
McLean	10,000	1,200	66.3	79,600	4,500	5.4	24,300
Mercer	10,000	300	66.0	19,800	9,200	3.7	33,800
Oliver	11,500	300	17.3	5,200	9,900	3.9	38,800
West Central	55,000	3,700	50.6	187,100	40,800	3.7	149,100
Eddy	9,000	2,100	48.8	102,500	6,300	3.3	21,100
Foster	9,000	4,300	59.3	255,200	4,300	3.6	15,500
Kidder	17,000	7,400	68.4	506,100	8,000	3.7	29,300
Sheridan	5,000	900	27.7	24,900	3,600	1.8	6,500
Stutsman	23,000	7,200	43.9	316,300	15,200	4.2	64,200
Wells	14,000	4,000	30.7	122,700	8,000	3.5	28,000
Central	77,000	25,900	51.3	1,327,700	45,400	3.6	164,600
Barnes	20,000	11,400	42.3	482,400	8,100	4.2	34,100
Cass	78,000	62,200	53.9	3,352,000	13,800	4.8	66,200
Griggs	6,000	3,100	58.9	182,700	2,700	7.2	19,500
Steele	10,000	8,600	39.1	335,900	1,000	4.1	4,100
Traill	11,000	8,200	48.2	395,300	2,300	3.8	8,700
East Central	125,000	93,500	50.8	4,748,300	27,900	4.8	132,600
Adams	9,000	600	17.2	10,300	7,300	2.8	20,400
Billings	1,700	—	—	—	1,400	2.3	3,200
Bowman	3,500	1,000	19.0	19,000	1,300	1.3	1,700
Golden Valley	1,300	—	—	—	1,100	3.4	3,700
Hettinger	6,400	500	21.6	10,800	4,600	1.7	7,800
Slope	2,600	200	16.5	3,300	2,100	3.1	6,500
Stark	13,500	—	—	—	10,600	2.1	22,300
Southwest	38,000	2,300	18.9	43,400	28,400	2.3	65,600
Burleigh	19,000	1,000	56.8	56,800	10,900	3.9	42,700
Emmons	31,000	2,100	106.6	223,900	20,600	2.4	48,600
Grant	25,500	700	57.7	40,400	19,200	1.3	24,800
Morton	35,000	1,400	58.6	82,000	27,400	3.2	87,000
Sioux	6,500	200	73.0	14,600	3,900	3.1	11,900
South Central	117,000	5,400	77.4	417,700	82,000	2.6	215,000
Dickey	58,000	45,600	77.0	3,512,400	11,700	3.5	40,900
LaMoure	31,000	21,700	61.1	1,326,900	7,700	4.7	36,300
Logan	12,500	1,800	52.7	94,800	7,800	2.5	19,300
McIntosh	12,500	300	47.7	14,300	8,400	2.8	23,500
Ransom	58,000	45,900	84.7	3,889,200	11,700	6.8	79,200
Richland	165,000	147,000	97.1	14,278,200	18,000	8.6	154,800
Sargent	48,000	41,100	89.9	3,694,200	6,600	2.8	18,500
Southeast	385,000	303,400	88.4	26,810,000	71,900	5.2	372,500
STATE	880,000	465,000	75.0	34,875,000	340,000	3.7	1,258,000

1/ See page 79 for irrigated acres.

June 1991

HAY

North Dakota, 1990

District and County	Alfalfa Hay			All Other Hay			All Hay		
	Acres Harvested	Harvested Yield	Production	Acres Harvested	Harvested Yield	Production	Acres Harvested	Harvested Yield	Production
	(Acres)	(Tons)	(Tons)	(Acres)	(Tons)	(Tons)	(Acres)	(Tons)	(Tons)
Burke	14,000	1.15	16,100	30,500	1.20	36,600	44,500	1.20	52,700
Divide	9,000	1.15	10,300	22,000	1.15	25,300	31,000	1.15	35,600
Mountrail	28,000	1.20	33,500	64,000	0.95	62,100	92,000	1.05	95,600
Renville	8,000	0.85	6,800	12,500	1.05	13,100	20,500	0.95	19,900
Ward	30,000	1.25	37,400	50,500	1.30	65,500	80,500	1.30	102,900
Williams	21,000	1.30	27,300	20,500	0.85	17,400	41,500	1.10	44,700
Northwest	110,000	1.20	131,400	200,000	1.10	220,000	310,000	1.15	351,400
Benson	11,500	1.10	12,700	43,000	1.30	55,400	54,500	1.25	68,100
Bottineau	17,000	1.20	20,400	30,000	1.25	37,600	47,000	1.25	58,000
McHenry	48,000	1.35	64,900	144,000	1.00	142,700	192,000	1.10	207,600
Pierce	8,500	1.10	9,400	52,000	0.90	46,800	60,500	0.95	56,200
Rolette	25,000	1.40	35,000	36,000	1.05	37,800	61,000	1.20	72,800
North Central	110,000	1.30	142,400	305,000	1.05	320,300	415,000	1.10	462,700
Cavalier	2,500	1.20	3,000	9,000	2.10	18,900	11,500	1.90	21,900
Grand Forks	4,500	1.40	6,300	10,500	1.70	17,800	15,000	1.60	24,100
Nelson	4,500	1.70	7,700	20,500	1.60	32,800	25,000	1.60	40,500
Pembina	4,500	2.00	8,900	6,500	1.70	11,000	11,000	1.80	19,900
Ramsey	2,000	1.05	2,100	20,500	1.05	21,500	22,500	1.05	23,600
Towner	2,000	1.30	2,600	15,000	1.20	18,000	17,000	1.20	20,600
Walsh	4,000	1.65	6,600	18,000	1.10	20,000	22,000	1.20	26,600
Northeast	24,000	1.55	37,200	100,000	1.40	140,000	124,000	1.45	177,200
Dunn	90,000	1.00	90,400	82,000	1.05	86,100	172,000	1.05	176,500
McKenzie	32,000	1.20	38,500	47,500	1.10	52,200	79,500	1.15	90,700
McLean	19,000	1.15	21,900	62,000	1.20	74,400	81,000	1.20	96,300
Mercer	32,000	1.10	35,300	36,500	1.30	47,400	68,500	1.20	82,700
Oliver	27,000	0.85	23,000	37,000	0.85	31,400	64,000	0.85	54,400
West Central	200,000	1.05	209,100	265,000	1.10	291,500	465,000	1.10	500,600
Eddy	10,500	1.30	13,700	30,000	1.25	37,500	40,500	1.25	51,200
Foster	11,000	1.80	19,800	14,000	1.50	21,000	25,000	1.65	40,800
Kidder	117,000	1.30	149,400	76,000	1.20	91,500	193,000	1.25	240,900
Sheridan	16,000	1.30	20,800	50,000	1.15	57,500	66,000	1.20	78,300
Stutsman	45,000	1.60	72,000	60,000	1.60	96,000	105,000	1.60	168,000
Wells	5,500	1.55	8,500	35,000	1.55	54,300	40,500	1.55	62,800
Central	205,000	1.40	284,200	265,000	1.35	357,800	470,000	1.35	642,000
Barnes	9,500	1.75	16,600	24,500	1.90	46,000	34,000	1.85	62,600
Cass	14,000	2.25	31,800	6,500	1.45	9,400	20,500	2.00	41,200
Griggs	9,000	1.60	14,400	17,000	1.80	30,600	26,000	1.75	45,000
Steele	1,500	1.40	2,100	5,500	1.80	9,900	7,000	1.70	12,000
Traill	2,000	2.65	5,300	1,500	2.00	3,000	3,500	2.35	8,300
East Central	36,000	1.95	70,200	55,000	1.80	98,900	91,000	1.85	169,100
Adams	49,000	1.10	53,900	33,000	0.70	23,100	82,000	0.95	77,000
Billings	45,000	0.75	33,800	30,500	1.00	30,500	75,500	0.85	64,300
Bowman	34,000	0.55	18,700	38,000	0.60	22,800	72,000	0.60	41,500
Golden Valley	13,500	0.95	12,800	19,500	0.80	15,500	33,000	0.85	28,300
Hettinger	40,000	0.75	30,000	40,000	0.95	38,000	80,000	0.85	68,000
Slope	30,500	0.55	16,800	22,000	0.65	14,300	52,500	0.60	31,100
Stark	78,000	0.85	65,000	62,000	0.85	51,800	140,000	0.85	116,800
Southwest	290,000	0.80	231,000	245,000	0.80	196,000	535,000	0.80	427,000
Burleigh	66,000	1.30	86,100	73,000	0.95	69,400	139,000	1.10	155,500
Emmons	43,000	0.85	36,500	125,000	0.70	84,700	168,000	0.70	121,200
Grant	53,500	0.55	29,400	98,000	0.60	58,800	151,500	0.60	88,200
Morton	57,500	0.80	46,000	114,000	0.65	74,100	171,500	0.70	120,100
Sioux	40,000	0.55	22,000	45,000	0.70	31,500	85,000	0.65	53,500
South Central	260,000	0.85	220,000	455,000	0.70	318,500	715,000	0.75	538,500
Dickey	27,500	1.30	35,800	24,000	1.30	31,200	51,500	1.30	67,000
LaMoure	22,000	1.45	31,900	28,000	1.75	49,000	50,000	1.60	80,900
Logan	51,000	1.10	55,600	54,000	1.20	64,800	105,000	1.15	120,400
McIntosh	34,000	1.00	34,000	69,000	1.00	68,700	103,000	1.00	102,700
Ransom	10,500	1.90	19,900	12,000	1.50	18,000	22,500	1.70	37,900
Richland	9,500	2.05	19,500	13,500	1.40	18,900	23,000	1.65	38,400
Sargent	10,500	1.70	17,800	9,500	1.20	11,400	20,000	1.45	29,200
Southeast	165,000	1.30	214,500	210,000	1.25	262,000	375,000	1.25	476,500
STATE	1,400,000	1.10	1,540,000	2,100,000	1.05	2,205,000	3,500,000	1.07	3,745,000

HAY

North Dakota, 1989

District and County	Alfalfa Hay			All Other Hay			All Hay		
	Acres Harvested	Harvested Yield	Production	Acres Harvested	Harvested Yield	Production	Acres Harvested	Harvested Yield	Production
	(Acres)	(Tons)	(Tons)	(Acres)	(Tons)	(Tons)	(Acres)	(Tons)	(Tons)
Burke	14,500	0.65	9,400	25,000	0.95	23,800	39,500	0.85	33,200
Divide	10,000	1.00	10,000	33,000	1.10	36,300	43,000	1.10	46,300
Mountrail	27,500	0.45	12,400	48,000	0.65	31,200	75,500	0.60	43,600
Renville	6,000	0.80	4,800	14,000	0.85	11,900	20,000	0.85	16,700
Ward	30,000	0.70	21,000	52,000	0.80	41,600	82,000	0.75	62,600
Williams	32,000	1.60	50,400	28,000	0.90	25,200	60,000	1.25	75,600
Northwest	120,000	0.90	108,000	200,000	0.85	170,000	320,000	0.85	278,000
Benson	15,500	1.00	15,500	49,000	0.80	39,200	64,500	0.85	54,700
Bottineau	17,500	1.25	21,900	32,000	0.95	30,400	49,500	1.05	52,300
McHenry	78,500	0.85	67,700	103,000	0.85	87,600	181,500	0.85	155,300
Pierce	13,000	1.00	13,000	57,000	0.70	39,900	70,000	0.75	52,900
Rolette	25,500	1.25	31,900	29,000	1.10	31,900	54,500	1.15	63,800
North Central	150,000	1.00	150,000	270,000	0.85	229,000	420,000	0.90	379,000
Cavalier	3,000	0.90	2,700	8,500	1.20	10,200	11,500	1.10	12,900
Grand Forks	10,500	1.20	12,600	11,500	0.90	10,400	22,000	1.05	23,000
Nelson	13,500	1.15	15,500	23,000	0.95	22,000	36,500	1.05	37,500
Pembina	7,500	1.70	12,600	9,000	0.95	8,600	16,500	1.30	21,200
Ramsey	2,500	1.70	4,300	8,500	1.45	12,300	11,000	1.50	16,600
Towner	2,500	0.80	2,000	16,500	1.00	16,500	19,000	0.95	18,500
Walsh	5,500	1.20	6,600	23,000	1.30	30,000	28,500	1.30	36,600
Northeast	45,000	1.25	56,300	100,000	1.10	110,000	145,000	1.15	166,300
Dunn	94,000	1.05	99,100	73,000	0.75	55,100	167,000	0.90	154,200
McKenzie	38,000	1.35	51,400	51,000	0.75	38,500	89,000	1.00	89,900
McLean	19,000	1.00	19,000	55,000	0.85	47,000	74,000	0.90	66,000
Mercer	24,500	1.20	29,500	41,000	0.90	36,900	65,500	1.00	66,400
Oliver	24,500	0.85	21,000	30,000	0.75	22,500	54,500	0.80	43,500
West Central	200,000	1.10	220,000	250,000	0.80	200,000	450,000	0.95	420,000
Eddy	27,500	0.95	26,000	26,500	0.80	21,200	54,000	0.85	47,200
Foster	11,500	1.20	13,800	15,500	0.70	10,900	27,000	0.90	24,700
Kidder	82,000	1.00	81,800	89,000	0.60	52,400	171,000	0.80	134,200
Sheridan	12,500	0.70	8,800	47,000	0.85	39,800	59,500	0.8[illegible]	48,600
Stutsman	46,000	1.30	59,600	62,000	1.00	61,800	108,000	1.10	121,400
Wells	10,500	0.90	9,500	40,000	0.95	37,900	50,500	0.95	47,400
Central	190,000	1.05	199,500	280,000	0.80	224,000	470,000	0.90	423,500
Barnes	12,000	1.30	15,700	24,500	1.05	25,700	36,500	1.15	41,400
Cass	15,500	2.30	35,700	6,500	1.25	8,100	22,000	2.00	43,800
Griggs	13,000	1.40	18,200	13,500	1.15	15,500	26,500	1.25	33,700
Steele	1,500	1.00	1,500	4,000	1.00	4,000	5,500	1.00	5,500
Traill	3,000	1.80	5,400	1,500	1.15	1,700	4,500	1.60	7,100
East Central	45,000	1.70	76,500	50,000	1.10	55,000	95,000	1.40	131,500
Adams	39,000	0.90	35,500	19,000	0.75	14,300	58,000	0.85	49,800
Billings	40,500	1.00	40,500	34,500	0.85	29,200	75,000	0.95	69,700
Bowman	35,000	1.00	35,000	26,000	0.85	22,100	61,000	0.95	57,100
Golden Valley	19,500	0.85	16,600	17,000	0.70	11,900	36,500	0.80	28,500
Hettinger	30,000	0.90	27,000	29,500	0.75	22,100	59,500	0.85	49,100
Slope	41,000	0.75	30,800	23,000	0.60	13,800	64,000	0.70	44,600
Stark	75,000	0.75	56,300	61,000	0.55	33,600	136,000	0.65	89,900
Southwest	280,000	0.85	241,700	210,000	0.70	147,000	490,000	0.80	388,700
Burleigh	67,000	0.70	47,700	81,000	0.60	48,500	148,000	0.65	96,200
Emmons	49,500	0.60	29,700	69,000	0.50	34,500	118,500	0.55	64,200
Grant	62,000	0.70	43,400	59,000	0.50	29,500	121,000	0.60	72,900
Morton	65,000	0.85	55,300	90,000	0.50	47,000	155,000	0.65	102,300
Sioux	56,500	0.60	33,900	31,000	0.50	15,500	87,500	0.55	49,400
Scuth Central	300,000	0.70	210,000	330,000	0.55	175,000	630,000	0.60	385,000
Dickey	28,000	1.25	35,300	28,500	1.05	29,900	56,500	1.15	65,200
LaMoure	24,000	1.70	40,800	19,000	1.30	24,700	43,000	1.50	65,500
Logan	41,000	0.75	30,800	66,000	0.85	55,900	107,000	0.80	86,700
McIntosh	33,500	0.85	28,500	54,000	0.90	48,600	87,500	0.90	77,100
Ransom	18,000	2.15	38,700	17,500	1.30	22,800	35,500	1.75	61,500
Richland	13,000	2.70	35,100	12,000	1.15	13,800	25,000	1.95	48,900
Sargent	12,500	2.30	28,800	13,000	1.10	14,300	25,500	1.70	43,100
Southeast	170,000	1.40	238,000	210,000	1.00	210,000	380,000	1.20	448,000
STATE	1,500,000	1.00	1,500,000	1,900,000	0.80	1,520,000	3,400,000	0.89	3,020,000

DRY EDIBLE BEANS

North Dakota, 1989 and 1990

District and County	1989				1990			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Lbs.)	(Cwt.)	(Acres)	(Acres)	(Lbs.)	(Cwt.)
Burke	400	300	350	1,050	200	200	800	1,600
Divide	200	100	300	300	---	---	---	---
Mountrail	700	600	500	3,000	100	100	750	750
Renville	---	---	---	---	---	---	---	---
Ward	300	300	250	750	1,300	1,300	850	11,050
Williams	400	200	1,800	3,600	300	300	600	1,800
Northwest	2,000	1,500	580	8,700	1,900	1,900	800	15,200
Benson	3,900	2,600	630	16,380	9,000	8,000	680	54,430
Bottineau	1,000	900	370	3,330	900	900	800	7,200
McHenry	1,000	900	370	3,330	800	600	700	4,200
Pierce	---	---	---	---	1,100	900	890	8,010
Rolette	100	100	360	360	200	100	710	710
North Central	6,000	4,500	520	23,400	12,000	10,500	710	74,550
Cavalier	5,000	4,000	370	14,800	9,500	8,900	890	79,210
Grand Forks	104,000	94,000	500	470,000	110,000	109,500	860	941,930
Nelson	5,000	4,300	390	16,770	5,700	5,500	730	40,150
Pembina	54,000	49,500	630	311,800	53,000	47,000	980	460,600
Ramsey	7,000	6,900	570	39,330	7,800	6,500	690	44,850
Towner	6,000	4,300	730	31,400	6,000	4,600	560	25,760
Walsh	49,000	42,000	540	226,800	52,000	51,000	580	295,800
Northeast	230,000	205,000	542	1,110,900	244,000	233,000	810	1,888,300
Dunn	---	---	---	---	---	---	---	---
McKenzie	1,500	1,400	1,600	22,400	4,000	3,100	1,500	46,500
McLean	16,000	8,000	270	21,600	18,500	17,800	580	103,240
Mercer	500	400	580	2,320	200	200	430	860
Oliver	2,000	1,200	540	6,480	1,800	1,400	500	7,000
West Central	20,000	11,000	480	52,800	24,500	22,500	700	157,600
Eddy	1,500	1,200	860	10,320	3,000	2,500	900	22,500
Foster	3,500	2,800	500	14,000	4,300	3,600	880	31,680
Kidder	1,000	900	1,300	11,700	800	800	950	7,600
Sheridan	1,000	600	380	2,280	900	800	820	6,560
Stutsman	3,000	2,500	800	20,000	14,500	13,200	1,000	132,000
Wells	20,000	15,000	440	66,000	20,500	20,000	900	180,030
Central	30,000	23,000	540	124,300	44,000	40,900	930	380,370
Barnes	2,000	1,000	520	5,200	4,000	4,000	700	28,000
Cass	39,000	25,500	490	125,000	40,000	39,400	1,060	417,640
Griggs	16,000	11,500	450	51,800	14,000	13,900	1,150	159,850
Steele	47,000	38,000	460	174,800	51,000	50,700	1,060	537,420
Traill	56,000	45,000	470	211,700	61,000	61,000	870	530,860
East Central	160,000	121,000	470	568,500	170,000	169,000	990	1,673,770
Adams	100	100	200	200	400	400	500	2,000
Billings	---	---	---	---	---	---	---	---
Bowman	1,000	400	220	880	400	400	450	1,800
Golden Valley	---	---	---	---	---	---	---	---
Hettinger	6,000	3,000	220	6,590	3,800	3,800	630	23,930
Slope	400	200	250	500	400	400	480	1,920
Stark	500	300	210	630	100	100	450	450
Southwest	8,000	4,000	220	8,800	5,100	5,100	590	30,100
Burleigh	1,000	300	700	2,100	2,000	1,300	390	5,070
Emmons	1,000	700	1,000	7,000	500	500	626	3,130
Grant	2,000	1,000	250	2,500	1,000	800	340	2,720
Morton	---	---	---	---	---	---	---	---
Sioux	---	---	---	---	---	---	---	---
South Central	4,000	2,000	580	11,600	3,500	2,600	420	10,920
Dickey	6,000	5,900	1,650	97,350	8,000	7,800	1,400	109,200
LaMoure	7,000	6,900	900	62,100	8,500	8,200	985	80,750
Logan	---	---	---	---	---	---	---	---
McIntosh	---	---	---	---	---	---	---	---
Ransom	9,000	9,000	1,660	149,400	16,000	16,000	1,230	196,800
Richland	12,000	10,200	1,650	168,350	23,500	23,500	1,220	286,640
Sargent	6,000	6,000	1,230	73,800	9,000	9,000	1,120	100,800
Southeast	40,000	38,000	1,450	551,000	65,000	64,500	1,200	774,190
STATE	500,000	410,000	600	2,460,000	570,000	550,000	910	5,005,000

SOYBEANS, SUGARBEETS & POTATOES

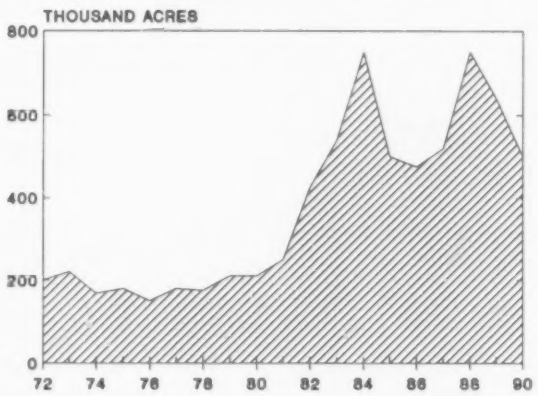
North Dakota, 1989 and 1990

District and County	1989				1990			
	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
SOYBEANS								
Burke	100	100	7.0	700	100	100	13.0	1,300
Mountrail	500	400	6.0	2,400	—	—	—	—
Ward	400	300	11.0	3,300	400	300	9.0	2,700
Benson	1,500	1,000	8.0	8,000	600	300	14.0	4,200
Bottineau	800	800	12.0	9,600	500	500	12.0	6,000
Pierce	200	200	7.5	1,500	100	100	15.0	1,500
Cavalier	300	200	10.0	2,000	200	100	10.0	1,000
Grand Forks	43,000	41,500	13.7	568,300	25,000	24,900	19.5	485,600
Nelson	3,400	3,300	11.0	36,300	1,300	1,200	19.5	23,400
Pembina	8,000	8,000	18.0	144,000	3,100	2,700	19.0	51,300
Ramsey	1,900	1,700	9.0	15,300	200	100	18.0	1,800
Towner	400	300	12.0	3,600	100	100	9.0	900
Walsh	3,000	3,000	13.5	40,500	2,100	1,600	13.0	20,800
Eddy	800	800	11.0	8,800	300	200	11.5	2,300
Foster	1,700	1,700	20.0	34,000	1,500	1,400	12.0	16,800
Kidder	500	400	27.5	11,000	500	300	12.0	3,600
Sheridan	200	200	8.0	1,600	300	200	9.5	1,900
Stutsman	3,800	3,700	16.0	59,200	2,500	1,700	16.0	27,200
Wells	2,500	2,100	9.0	18,900	1,100	1,000	19.0	19,000
Barnes	25,000	23,700	16.0	379,200	14,000	13,800	22.0	303,600
Cass	195,000	194,000	19.5	3,780,000	170,000	170,000	28.0	4,760,000
Griggs	7,000	6,500	12.0	78,000	3,000	2,900	18.0	52,200
Steele	24,000	22,800	13.5	307,800	12,000	12,000	24.5	294,000
Traill	59,000	58,000	16.0	928,000	36,000	35,900	28.5	1,023,200
Burleigh	700	500	14.0	7,000	400	200	10.0	2,000
Emmons	200	100	18.0	1,800	200	100	20.0	2,000
Morton	100	—	—	—	100	—	—	—
Sioux	500	500	20.0	10,000	100	100	20.0	2,000
Dickey	3,300	2,800	23.0	64,400	3,000	3,000	22.0	66,000
LaMoure	9,500	9,400	20.0	188,000	4,200	4,200	25.0	105,000
Logan	200	200	21.0	4,200	100	100	25.0	2,500
Ransom	12,000	11,600	22.5	260,700	9,700	8,700	23.0	200,100
Richland	210,000	210,000	30.0	6,300,000	185,000	185,000	25.9	4,788,800
Sargent	20,000	20,000	29.0	580,000	22,000	22,000	27.0	594,000
Other Counties	500	200	9.5	1,900	300	200	16.5	3,300
STATE	640,000	630,000	22.0	13,860,000	500,000	495,000	26.0	12,870,000
SUGARBEETS								
			(Tons)	(Tons)			(Tons)	(Tons)
William	4,200	4,200	20.7	86,800	4,300	4,300	18.8	80,900
Grand For	15,700	15,700	14.5	227,300	16,600	16,600	14.6	242,200
Pembina	42,900	42,900	15.0	645,000	48,900	48,800	13.2	643,100
Walsh	33,000	33,000	15.0	496,000	35,500	35,400	12.4	437,500
McKenzie	8,800	8,800	22.6	199,000	9,100	9,000	23.9	214,800
Cass	18,600	18,600	15.0	279,000	20,400	20,300	15.3	310,200
Traill	33,700	33,600	14.5	488,400	36,100	36,000	13.8	497,100
Richland	23,300	23,300	17.4	406,500	23,000	22,800	15.6	356,200
STATE	180,200	180,100	15.7	2,828,000	193,900	193,200	14.4	2,782,000
POTATOES								
			(Cwt.)	(Cwt.)			(Cwt.)	(Cwt.)
Grand Forks	29,000	28,800	120	3,450,000	29,000	28,400	150	4,247,000
Pembina	36,000	35,500	105	3,713,000	39,500	38,600	110	4,228,000
Towner	3,500	3,400	115	391,000	4,100	4,000	110	440,000
Walsh	62,000	60,000	100	5,980,000	62,000	59,000	75	4,397,000
Traill	4,500	4,400	115	506,000	5,600	5,500	120	660,000
Other Counties *	5,000	4,900	210	1,030,000	9,800	9,500	285	2,703,000
STATE	140,000	137,000	110	15,070,000	150,000	145,000	115	16,675,000

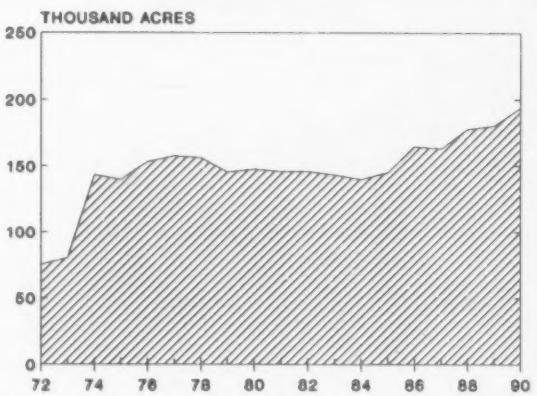
* 1990 includes Benson, Foster, Griggs, McHenry, Ransom and Sargent, each with 1,000 to 1,500 planted acres. All others had less than 1,000.

June 1991

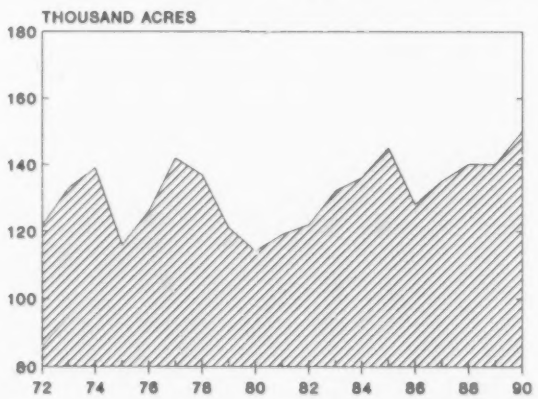
SOYBEAN PLANTED ACRES
NORTH DAKOTA, 1972 - 90



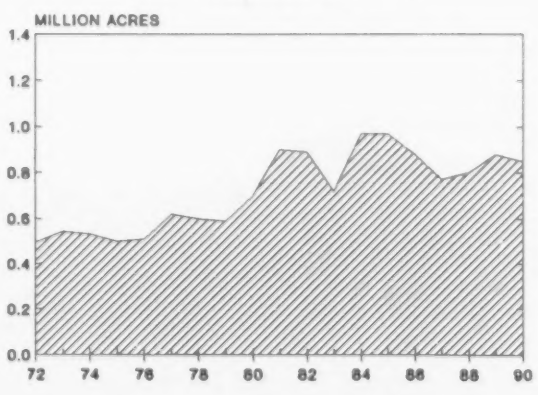
SUGARBEET PLANTED ACRES
NORTH DAKOTA, 1972 - 90



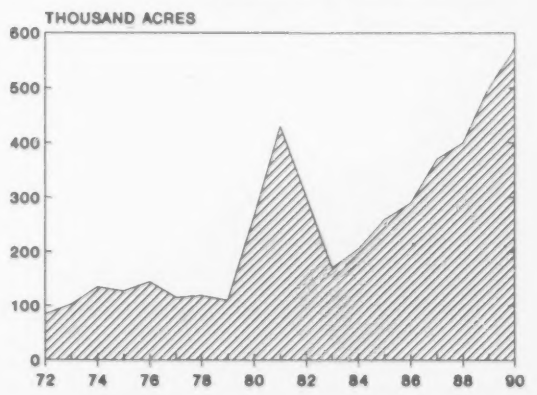
POTATO PLANTED ACRES
NORTH DAKOTA, 1972 - 90



CORN PLANTED ACRES
NORTH DAKOTA, 1972 - 90



DRY BEAN PLANTED ACRES
NORTH DAKOTA, 1972 - 90



IRRIGATION

ALL WHEAT, SPRING WHEAT OTHER THAN DURUM, DURUM WHEAT AND BARLEY

North Dakota, 1990

District and County	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
	ALL WHEAT				SPRING WHEAT OTHER THAN DURUM			
Divide	1,200	1,100	41.9	46,100	400	400	54.0	21,600
Ward	200	200	42.0	8,400	200	200	42.0	8,400
Williams	4,200	3,400	54.4	184,900	1,900	1,400	53.5	74,900
Benson	700	700	45.4	31,800	500	500	45.0	22,500
Grand Forks	1,000	1,000	59.5	59,500	1,000	1,000	59.5	59,500
Walsh	100	100	65.0	6,500	100	100	65.0	6,500
Dunn	100	100	70.0	7,000	100	100	70.0	7,000
McKenzie	6,200	6,100	74.7	455,600	5,800	5,700	75.5	430,400
McLean	1,100	1,100	45.0	49,500	1,000	1,000	45.0	45,000
Oliver	100	100	55.0	5,500	100	100	55.0	5,500
Eddy	100	100	60.0	6,000	100	100	60.0	6,000
Foster	600	600	63.3	38,000	400	400	65.0	26,000
Kidder	500	500	56.0	28,000	500	500	56.0	28,000
Stutsman	100	100	57.0	5,700	100	100	57.0	5,700
Barnes	300	300	65.0	19,500	300	300	65.0	19,500
Cass	1,600	1,600	58.8	94,000	900	900	64.0	57,600
Griggs	300	300	55.0	16,500	300	300	55.0	16,500
Steele	100	100	60.0	6,000	100	100	60.0	6,000
Golden Valley	100	100	65.0	6,500	100	100	65.0	6,500
Emmons	500	500	75.0	37,500	500	500	75.0	37,500
Sioux	400	200	50.0	10,000	400	200	50.0	10,000
Dickey	400	400	57.0	22,800	400	400	57.0	22,800
LaMoure	600	600	68.0	40,800	600	600	68.0	40,800
Logan	200	200	46.0	9,200	200	200	46.0	9,200
Ransom	300	300	55.0	16,500	300	300	55.0	16,500
Sargent	100	100	55.0	5,500	---	---	---	---
STATE	21,100	19,900	61.2	1,217,300	16,300	15,500	63.9	989,900
	DURUM WHEAT				BARLEY			
Divide	800	700	35.0	24,500	---	---	---	---
Williams	2,300	2,000	55.0	110,000	100	100	68.0	6,800
Benson	200	200	46.5	9,300	100	100	69.0	6,900
Rolette	---	---	---	---	100	100	65.0	6,500
McKenzie	400	400	63.0	25,200	300	300	68.3	20,500
McLean	100	100	45.0	4,500	200	200	85.0	17,000
Oliver	---	---	---	---	100	100	50.0	5,000
Eddy	---	---	---	---	400	400	80.0	32,000
Foster	200	200	60.0	12,000	---	---	---	---
Barnes	---	---	---	---	100	100	80.0	8,000
Cass	700	700	52.0	36,400	100	100	78.0	7,800
Griggs	---	---	---	---	300	300	68.0	20,400
Golden Valley	---	---	---	---	300	300	70.0	21,000
Emmons	---	---	---	---	300	300	70.0	21,000
Grant	---	---	---	---	100	100	65.0	6,500
Morton	---	---	---	---	100	100	60.0	6,000
Dickey	---	---	---	---	100	100	83.0	8,300
Sargent	100	100	55.0	5,500	---	---	---	---
STATE	4,800	4,400	51.7	227,400	2,700	2,700	71.7	193,700

IRRIGATION

ALL WHEAT, SPRING WHEAT OTHER THAN DURUM, DURUM WHEAT AND BARLEY

North Dakota, 1989

District and County	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production	Acres Planted	Acres Harvested	Yield Per Harvested Acre	Production
	(Acres)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Acres)	(Bu.)	(Bu.)
	ALL WHEAT				SPRING WHEAT OTHER THAN DURUM			
Divide	1,600	1,600	48.9	78,200	---	---	---	---
Ward	200	200	47.5	9,500	100	100	45.0	4,500
Williams	3,500	3,500	60.7	212,600	1,100	1,100	62.8	69,100
Benson	1,300	1,300	47.8	62,200	900	900	54.7	49,200
McHenry	200	200	45.0	9,000	200	200	45.0	9,000
Grand Forks	800	700	50.0	35,000	800	700	50.0	35,000
Walsh	100	100	45.0	4,500	100	100	45.0	4,500
McKenzie	6,100	6,100	64.5	393,500	6,100	6,100	64.5	393,500
McLean	1,100	1,100	57.3	63,000	600	600	55.0	33,000
Mercer	100	100	50.0	5,000	100	100	50.0	5,000
Eddy	400	300	30.0	9,000	100	100	40.0	4,000
Foster	500	500	38.0	19,000	400	400	40.5	16,200
Kidder	300	200	35.0	7,000	300	200	35.0	7,000
Barnes	300	300	45.0	13,500	300	300	45.0	13,500
Cass	1,100	1,100	50.0	55,000	400	400	50.0	20,000
Griggs	400	400	50.0	20,000	400	400	50.0	20,000
Steele	300	300	45.0	13,500	300	300	45.0	13,500
Emmons	800	700	68.6	48,000	800	700	68.6	48,000
Dickey	100	100	40.0	4,000	---	---	---	---
LaMoure	200	200	47.5	9,500	200	200	47.5	9,500
Logan	100	100	50.0	5,000	100	100	50.0	5,000
Ransom	300	300	60.0	18,000	300	300	60.0	18,000
STATE	19,800	19,400	56.4	1,094,000	13,600	13,300	58.5	777,500
	DURUM WHEAT				BARLEY			
Divide	1,600	1,600	48.9	78,200	---	---	---	---
Ward	100	100	50.0	5,000	---	---	---	---
Williams	2,400	2,400	59.8	143,500	100	100	66.0	6,600
Benson	400	400	32.5	13,000	100	100	20.0	2,000
Rolette	---	---	---	---	100	100	55.0	5,500
Grand Forks	---	---	---	---	300	300	65.0	19,500
Dunn	---	---	---	---	100	100	50.0	5,000
McKenzie	---	---	---	---	400	400	88.5	35,400
McLean	500	500	60.0	30,000	200	200	70.0	14,000
Eddy	300	200	25.0	5,000	300	300	59.7	17,900
Foster	100	100	28.0	2,800	100	100	69.0	6,900
Barnes	---	---	---	---	100	100	78.0	7,800
Cass	700	700	50.0	35,000	---	---	---	---
Griggs	---	---	---	---	300	300	57.3	17,200
Golden Valley	---	---	---	---	300	300	60.0	18,000
Grant	---	---	---	---	100	100	66.0	6,600
Morton	---	---	---	---	100	100	68.0	6,800
Dickey	100	100	40.0	4,000	100	100	78.0	7,800
Logan	---	---	---	---	100	100	65.0	6,500
STATE	6,200	6,100	51.9	316,500	3,200	2,800	65.5	183,500

IRRIGATION

CORN FOR GRAIN AND CORN FOR SILAGE

North Dakota, 1988-90

County	1988			1989			1990		
	Acres Harvested	Yield per Harvested Acre	Production	Acres Harvested	Yield per Harvested Acre	Production	Acres Harvested	Yield per Harvested Acre	Production
CORN FOR GRAIN									
	(Acres)	(Bu.)	(Bu.)	(Acres)	(Bu.)	(Bu.)	(Acres)	(Bu.)	(Bu.)
Ward	---	---	---	100	55.0	5,500	100	65.0	6,500
Williams	100	52.0	5,200	100	60.0	6,000	100	70.0	7,000
Benson	800	83.3	66,600	800	68.0	54,400	800	77.0	61,600
Bottineau	---	---	---	200	72.0	14,400	---	---	---
McHenry	700	102.0	71,400	800	105.0	84,000	800	122.0	97,600
Pierce	---	---	---	200	80.0	16,000	100	80.0	8,000
Grand Forks	1,400	106.6	149,200	1,100	102.0	112,200	1,100	102.0	112,200
Nelson	100	75.0	7,500	100	95.0	9,500	100	95.0	9,500
McKenzie	500	119.6	59,800	600	100.0	60,000	400	116.0	46,400
McLean	1,000	100.2	100,200	800	90.0	72,000	1,200	91.0	109,200
Mercer	200	101.0	20,200	200	92.0	18,400	---	---	---
Oliver	---	---	---	---	---	---	200	122.0	24,400
Eddy	400	86.0	34,400	500	101.0	50,500	300	109.0	32,700
Foster	900	124.0	111,600	1,600	92.0	147,200	500	110.0	55,000
Kidder	3,000	94.0	281,900	3,800	106.0	402,800	3,900	109.0	425,100
Stutsman	1,000	124.0	124,000	1,700	89.0	151,300	1,700	121.0	205,700
Wells	400	88.0	35,200	200	72.0	14,400	100	110.0	11,000
Barnes	1,100	99.0	108,900	1,300	103.0	133,900	1,600	123.0	196,800
Cass	5,800	106.5	617,800	5,300	101.0	535,400	6,300	130.0	819,000
Griggs	1,300	74.0	96,200	1,500	75.0	112,500	1,000	108.0	108,000
Steele	1,200	78.0	93,600	1,500	90.0	135,000	1,300	129.0	167,700
Traill	---	---	---	100	65.0	6,500	---	---	---
Golden Valley	---	---	---	---	---	---	100	85.0	8,500
Hettinger	---	---	---	100	50.0	5,000	---	---	---
Burleigh	300	68.7	20,600	800	65.0	52,000	1,900	95.0	180,500
Emmons	900	66.0	59,400	1,900	115.0	218,500	1,200	134.0	160,800
Grant	1,000	74.0	74,000	500	75.0	37,500	700	113.0	79,100
Morton	300	73.7	22,100	1,100	68.0	74,800	800	102.0	81,600
Sioux	100	59.0	5,900	200	73.0	14,600	400	150.0	60,000
Dickey	7,800	128.0	998,400	9,000	130.0	1,170,000	9,700	138.0	1,338,600
LaMoure	2,500	107.5	268,800	2,400	117.0	280,800	3,200	127.0	406,400
Logan	400	98.0	39,200	500	115.0	57,500	500	108.0	54,000
Ransom	12,100	120.0	1,452,000	12,000	132.0	1,584,000	11,800	133.0	1,569,700
Richland	1,400	101.0	141,400	1,400	117.0	163,800	1,200	108.0	129,600
Sargent	6,000	122.0	732,000	6,200	123.0	762,600	6,300	125.5	790,800
STATE	52,700	110.0	5,797,500	58,600	112.0	6,563,000	59,400	124.0	7,363,000
CORN FOR SILAGE									
	(Acres)	(Ton)	(Ton)	(Acres)	(Ton)	(Ton)	(Acres)	(Ton)	(Ton)
Divide	100	6.0	600	---	---	---	---	---	---
Ward	200	14.5	2,900	100	12.0	1,200	---	---	---
Williams	400	17.0	6,800	300	14.0	4,200	400	14.5	5,800
Benson	300	10.7	3,200	500	6.6	3,300	200	14.0	2,800
McHenry	400	11.0	4,400	300	6.7	2,000	200	11.0	2,200
Pierce	100	10.0	1,000	100	7.0	700	100	11.0	1,100
Rolette	100	7.0	700	100	5.0	500	200	9.0	1,800
Nelson	100	12.0	1,200	200	10.5	2,100	200	14.0	2,800
Pembina	---	---	---	100	9.0	900	---	---	---
Ramsey	---	---	---	---	---	---	100	13.0	1,300
Dunn	---	---	---	100	12.0	1,200	---	---	---
McKenzie	1,200	15.5	18,600	1,200	14.9	17,900	800	16.0	12,800
McLean	700	15.0	10,500	1,000	15.5	15,500	700	16.0	11,200
Mercer	900	18.0	16,200	1,000	14.1	14,100	1,200	15.5	18,600
Oliver	1,000	13.5	13,500	1,300	12.0	15,600	1,200	16.0	19,200
Eddy	100	12.0	1,200	100	13.0	1,300	100	15.0	1,500
Foster	800	14.5	11,600	100	16.0	1,600	100	16.0	1,600
Kidder	1,100	10.5	11,500	900	10.4	9,400	1,100	14.0	15,400
Stutsman	600	12.0	7,200	800	11.9	9,500	400	16.0	6,400
Barnes	200	12.5	2,500	200	12.5	2,500	---	---	---
Cass	---	---	---	---	---	---	100	15.0	1,500
Griggs	400	13.5	5,400	700	14.1	9,900	300	15.7	4,700
Traill	100	12.0	1,200	---	---	---	---	---	---
Golden Valley	200	11.5	2,300	300	9.0	2,700	200	12.0	2,400
Hettinger	200	11.5	2,300	---	---	---	---	---	---
Burleigh	1,800	12.5	22,500	1,200	11.1	13,300	800	12.0	9,600
Emmons	2,400	9.5	22,700	1,500	10.7	16,100	800	13.5	10,800
Grant	400	8.5	3,400	700	9.0	6,300	500	11.0	5,500
Morton	2,300	9.5	21,900	1,900	14.9	28,300	2,100	13.0	27,300
Sioux	200	8.5	1,700	700	11.6	8,100	---	---	---
Dickey	200	8.5	1,700	200	14.5	2,900	---	---	---
LaMoure	500	9.4	4,700	200	12.5	2,500	---	---	---
Logan	100	10.0	1,000	200	9.0	1,800	200	7.0	1,400
Ransom	300	12.0	3,600	400	11.5	4,600	300	14.3	4,300
STATE	17,400	12.0	208,000	16,400	12.2	200,000	12,300	14.0	172,000

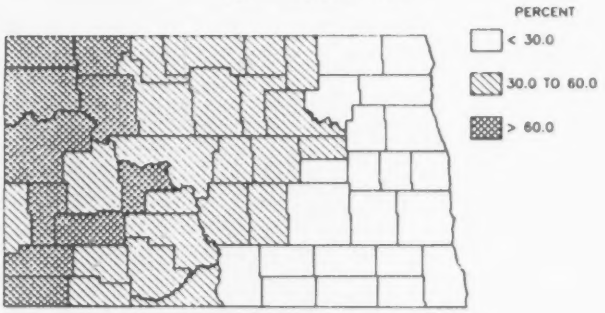
TOTAL ACRES SUMMER FALLOWED

North Dakota, 1988-90

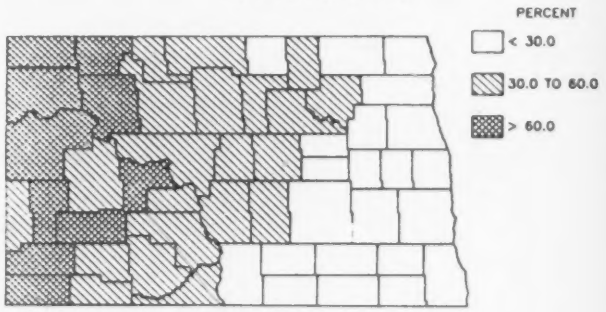
District and County	1988	1989	1990	District and County	1988	1989	1990	District and County	1988	1989	1990
	(Thousand Acres)				(Thousand Acres)				(Thousand Acres)		
Burke	150	145	125	Dunn	95	70	65	Adams	105	70	70
Divide	230	210	195	McKenzie	165	140	125	Billings	40	25	30
Mountrail	210	195	190	McLean	230	210	195	Bowman	75	75	60
Renville	150	135	105	Mercer	55	60	60	Golden Valley	75	55	70
Ward	250	195	185	Oliver	35	30	25	Hettinger	135	135	135
Williams	350	350	370					Slope	120	75	70
								Stark	140	115	95
Northwest	1,340	1,230	1,170	West Central	580	510	470	Southwest	690	550	530
Benson	190	125	110	Eddy	35	35	30	Burleigh	80	55	51
Bottineau	240	170	155	Foster	50	35	25	Emmons	90	45	30
McHenry	140	85	75	Kidder	40	25	25	Grant	105	70	72
Pierce	110	80	60	Sheridan	90	55	55	Morton	95	70	67
Rolette	100	50	40	Stutsman	175	120	110	Sioux	20	20	20
				Wells	160	100	75				
North Central	780	510	440	Central	550	370	320	South Central	390	260	240
Cavalier	200	120	90	Barnes	150	70	50	Dickey	80	30	29
Grand Forks	120	45	41	Cass	140	45	35	LaMoure	120	60	55
Nelson	100	65	50	Griggs	55	40	30	Logan	60	35	25
Pembina	105	35	40	Steele	70	35	45	McIntosh	75	45	30
Ramsey	150	100	85	Traill	65	20	20	Ransom	70	25	19
Towner	145	105	96					Richland	80	25	24
Walsh	120	50	48					Sargent	65	20	18
Northeast	940	520	450	East Central	480	210	180	Southeast	550	240	200
								STATE	6,300	4,400	4,000

PERCENT PLANTED ON SUMMER FALLOW

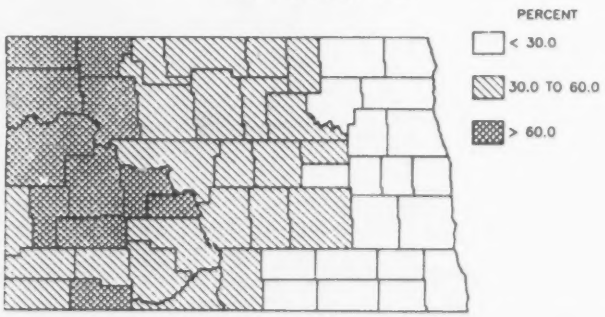
ALL WHEAT
NORTH DAKOTA, 1990



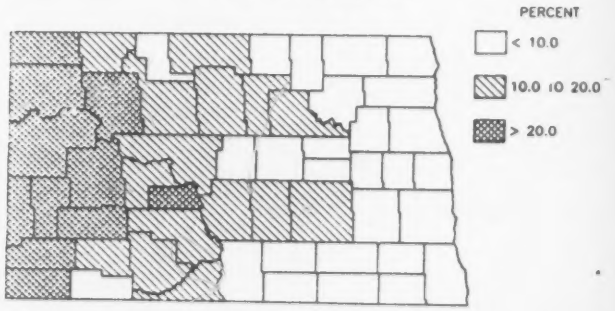
OTHER SPRING WHEAT
NORTH DAKOTA, 1990



DURUM WHEAT
NORTH DAKOTA, 1990



BARLEY
NORTH DAKOTA, 1990



FARM MARKETINGS by CROP MARKETING SEASONS

ESTIMATED PERCENT OF CROP YEAR TOTAL SOLD IN OPEN MARKET BY MONTHS

North Dakota, 1985-89

Year	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
						Percent						
ALL WHEAT												
1985	5	8	12	11	8	9	9	5	8	8	7	10
1986	9	8	12	11	6	10	6	8	6	6	7	11
1987	9	12	9	8	8	9	5	5	7	5	11	12
1988	10	10	7	6	7	9	8	5	10	9	8	11
1989	6	16	10	6	9	9	15	5	6	7	4	7
BARLEY												
1985	8	16	9	6	5	7	9	6	6	6	8	14
1986	6	16	12	7	7	8	6	11	8	6	5	8
1987	8	8	5	5	7	9	7	8	12	6	7	18
1988	19	11	7	8	9	7	5	5	8	7	5	9
1989	8	15	12	6	8	8	13	6	6	5	4	9
OATS												
1985	9	13	11	8	5	7	16	8	7	5	4	7
1986	6	10	8	5	7	10	12	9	4	6	11	12
1987	6	16	15	8	13	10	7	5	7	3	5	5
1988	15	20	15	7	7	6	3	4	3	6	7	7
1989	7	15	9	5	7	6	9	6	8	10	7	11
FLAXSEED												
1985	1	1	9	35	11	3	6	5	7	6	2	14
1986	2	1	9	45	14	9	3	2	2	2	2	9
1987	8	6	27	24	4	4	5	5	7	6	2	2
1988	13	14	24	21	7	4	4	3	2	3	2	3
1989	4	2	37	22	6	5	8	1	2	6	3	4
RYE												
1985	14	7	20	3	2	5	16	1	9	5	12	6
1986	7	8	15	6	1	4	9	7	6	10	19	8
1987	8	7	4	4	3	2	7	4	6	20	10	25
1988	46	9	6	4	3	3	2	9	8	6	2	2
1989	15	15	3	4	11	11	14	2	4	6	6	9

Year	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July
POTATOES												
1985	--	8	8	12	12	12	12	13	15	7	1	--
1986	--	11	10	9	10	11	13	14	15	6	1	--
1987	--	10	11	12	14	11	10	12	14	6	--	--
1988	--	11	12	16	12	12	10	12	10	5	--	--
1989	--	15	11	10	11	14	12	12	12	3	--	--

Year	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
SUNFLOWER												
1985	--	4	14	12	15	7	6	9	10	13	8	2
1986	3	13	18	12	6	6	6	6	8	11	9	2
1987	5	21	11	11	8	8	11	5	5	4	3	8
1988	4	38	9	8	6	7	9	5	2	6	5	1
1989	4	37	16	7	10	6	8	5	1	3	2	1
SOYBEANS												
1985	5	14	18	20	6	6	7	4	6	3	6	5
1986	1	13	12	8	15	11	8	5	5	9	10	3
1987	21	29	16	9	7	5	3	2	4	2	1	1
1988	20	18	5	7	5	2	4	7	8	13	8	3
1989	7	20	14	8	4	12	19	6	4	3	2	1
DRY BEANS												
1985	14	19	10	9	16	3	5	9	4	5	4	2
1986	20	29	9	8	7	5	5	2	5	3	2	5
1987	14	12	8	10	15	10	9	7	5	5	2	3
1988	21	20	9	5	4	7	5	3	5	9	5	7
1989	30	24	13	9	8	3	3	2	1	1	1	5

Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
CORN												
1985	9	34	21	12	7	2	3	3	3	3	1	2
1986	11	7	4	6	14	11	7	13	6	7	4	10
1987	16	10	12	14	8	6	3	5	9	8	4	5
1988	11	4	7	9	3	8	11	7	19	9	4	8
1989	14	14	15	8	12	11	6	3	6	5	3	3

Year	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
ALL HAY												
1985	3	15	7	8	10	16	9	9	7	9	6	1
1986	4	14	8	9	11	16	9	8	6	9	4	2
1987	4	5	4	12	16	12	4	8	5	8	10	12
1988	7	10	7	13	15	8	5	5	4	7	9	10
1989	4	11	11	15	10	11	7	7	9	10	4	1

- NOTES -

LIVESTOCK

INVENTORIES
PRODUCTION
DISPOSITION & INCOME
VALUES

NORTH DAKOTA LIVESTOCK

CATTLE

All cattle and calves totaled 1.7 million head on January 1, 1991, unchanged from January 1990 and 6 percent more than the 1989 total. Heifers for beef cow replacement remained unchanged while heifers for milk cow replacement increased 20 percent. Beef cow numbers remained virtually unchanged, but the number of dairy cows decreased by 3 percent. The 1990 calf crop of 1,000,000 head was unchanged from last year. There were 16,300 cattle operations during 1990, same as last year.

HOGS

The December 1, 1990 hog and pig inventory totaled 265,000, down 5 percent from 1989. Hog inventories over the past 10 years have fluctuated from a high of 340,000 in 1988 to a low of 210,000 in 1982. Breeding hogs and market hogs declined 6 and 5 percent respectively. Number of farms with hogs in 1990 was 2,100, down 19 percent from 1989.

SHEEP

A total of 222,000 sheep and lambs were on farms January 1, 1991, up 19 percent from the previous year. Stock sheep and lamb numbers advanced 10 percent to 167,000 head. Wool production during 1990 declined 2 percent from 1989. The number of sheep shorn remained unchanged while the average weight per fleece, at 8.9 pounds, was down from 9.1 pounds in 1989. The value of wool production decreased 47 percent to $974,000.

DAIRY & POULTRY

Milk production for 1990 was 1,103 million pounds, up 7 percent from 1989. Average milk per cow was 12,534 pounds, up 5 percent from 11,977 in 1989. An average 88,000 cows were on farms during 1990, up 2,000 head from the 1989 average.

Farm value of milk produced in 1990 was $137.9 million, up from $125.7 million in 1989. The average price was $12.50 per hundredweight, up 30 cents from 1989.

Chicken inventory on December 1, 1990 totaled 230,000, down 4 percent from the previous year. The number of laying age was down 2 percent from December 1, 1989. Egg production advanced to 51 million, up from 47 million eggs in 1989.

LIVESTOCK INVENTORY
North Dakota, January 1, 1982-91

Year	All Cattle	All Hogs 1/	All Sheep	All Chickens 1/
	--- Thousand Head ---			
1982	2,000	280	280	500
1983	2,050	210	222	510
1984	2,100	260	219	625
1985	2,050	255	215	635
1986	2,000	285	180	540
1987	1,900	275	185	290
1988	1,800	325	169	315
1989	1,600	340	164	255
1990	1,700	280	186	240
1991	1,700	265	222	230

1/ Relates to December 1 pervious year.

NUMBER OF FARMS
North Dakota, 1981-90

Year	All Cattle	Beef Cows	Milk Cows	Hogs	All Sheep	All Farms
	--- Thousand ---					
1981	20.0		4.2	3.6	2.1	38.5
1982	19.2		4.0	2.8	2.2	37.0
1983	19.0		3.9	2.8	2.0	36.5
1984	18.5		3.7	3.0	2.1	35.5
1985	17.8		3.4	3.0	2.0	34.0
1986	17.2	15.0	3.0	3.0	1.8	33.5
1987	16.4	13.9	2.7	2.6	1.9	33.5
1988	16.0	13.7	2.5	2.6	1.8	33.5
1989	16.3	13.9	2.5	2.6	1.9	33.5
1990	16.3	14.0	2.4	2.1	1.9	34.0

LIVESTOCK VALUES
North Dakota, January 1, 1987-91

Year	Value Per Head				Total Value			
	Cattle	Hogs 1/	Sheep	Chickens 1/	Cattle	Hogs 1/	Sheep	Chickens 1/
	--- Dollars ---				--- Thousand Dollars ---			
1987	420	88.50	79.50	2.10	798,000	24,338	14,708	609
1988	595	78.00	94.50	2.20	1,071,000	25,350	15,971	693
1989	650	66.50	89.50	2.20	1,040,000	22,610	14,678	561
1990	670	79.50	84.00	2.10	1,139,000	22,260	15,624	504
1991	735	87.00	67.00	2.10	1,249,500	23,055	14,874	483

1/ Relates to December 1 previous year

COMMERCIAL LIVESTOCK SLAUGHTER
North Dakota, 1986-90

Year	CATTLE			HOGS			ALL SPECIES		
	Number	Average Liveweight Per Head	Total Liveweight	Number	Average Liveweight Per Head	Total Liveweight	Number	Total Liveweight	Red Meat Production
	(000 Head)	(Lbs.)	(000 Lbs.)	(000 Head)	(Lbs.)	(000 Lbs.)	(000 Head)	(000 Lbs.)	(000 Lbs.)
1986	146.7	1,089	159,812	81.0	218	17,626	228.9	177,676	94,731
1987	81.6	1,107	90,296	71.7	219	15,696	154.4	106,190	58,193
1988	162.0	1,167	189,113	81.0	215	17,443	244.2	206,781	107,725
1989	193.5	1,228	237,560	77.8	212	16,479	272.5	254,180	130,665
1990	168.5	1,274	214,703	97.4	216	21,029	267.1	235,878	123,471

CATTLE

INVENTORY NUMBERS
North Dakota, January 1, 1987-91

Class	January 1				
	1987	1988	1989	1990	1991
	- - - Thousand Head - - -				
ALL CATTLE	1,900	1,800	1,600	1,700	1,700
Cows & Heifers that have calved	1,000	970	920	960	960
Beef	908	874	832	872	875
Milk	92	96	88	88	85
Heifers over 500 lbs.	302	313	248	290	300
Beef Replacement	139	143	130	130	130
Milk Replacement	33	26	21	25	30
Other	130	144	97	135	140
Steers over 500 lbs.	195	216	157	215	210
Bulls over 500 lbs.	46	46	45	45	45
Steers, Heifers & Bulls under 500 lbs.	357	255	230	190	185

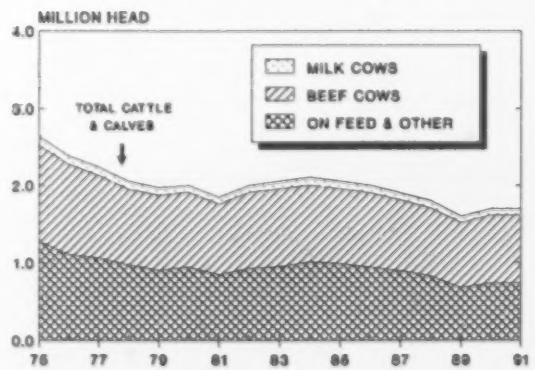
PRODUCTION, DISPOSITION & INCOME
North Dakota, 1986-90

Item	Unit	1986	1987	1988	1989	1990
Number on Hand Beginning of Year	000 Head	2,000	1,900	1,800	1,600	1,700
Calves Born	000 Head	1,000	960	950	1,000	1,000
Inshipments	000 Head	60	65	90	105	135
Marketings:						
Cattle	000 Head	709	647	657	371	458
Calves	000 Head	360	400	515	560	610
Total	000 Head	1,069	1,047	1,172	931	1,068
Farm Slaughter	000 Head	6	5	5	4	4
Deaths:						
Cattle	000 Head	20	18	18	19	18
Calves	000 Head	65	55	45	51	45
Total	000 Head	85	73	63	70	63
Number on Hand End of Year	000 Head	1,900	1,800	1,600	1,700	1,700
Production	000 Lbs.	752,450	748,790	631,290	659,690	649,050
Marketings	000 Lbs.	866,480	814,350	856,540	593,260	720,300
Price/100 Lbs.: Cattle	Dollars	51.30	64.10	71.00	71.70	76.00
Calves	Dollars	63.50	81.60	91.90	91.00	98.70
All Classes	Dollars	53.00	67.00	76.00	79.00	83.00
Cash Receipts	000 Dols.	459,389	545,729	651,113	468,522	597,853
Value of Home Consumption	000 Dols.	6,713	7,775	7,906	6,521	6,360
Gross Income	000 Dols.	466,102	553,504	659,019	475,043	604,213

HISTORIC INVENTORY NUMBERS
North Dakota, January 1, 1982-91

Year	Cows That Have Calved		On Feed	Other	Total Cattle & Calves
	Beef	Dairy			
	- - - Thousand Head - - -				
1982	978	92	36	894	2,000
1983	1,005	95	39	911	2,050
1984	993	99	35	973	2,100
1985	964	97	38	951	2,050
1986	958	102	42	898	2,000
1987	908	92	38	862	1,900
1988	874	96	45	785	1,800
1989	832	88	40	640	1,600
1990	872	88	40	700	1,700
1991	875	85	45	695	1,700

CATTLE INVENTORY
NORTH DAKOTA, JANUARY 1, 1975 - 91



June 1991

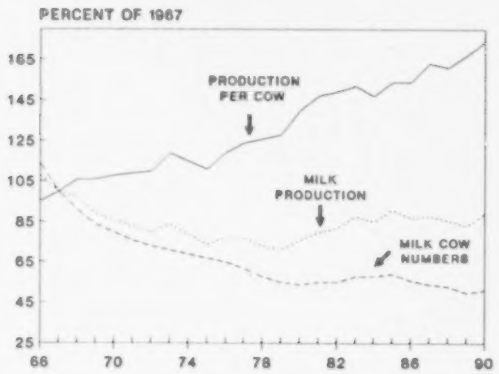
DAIRY

MILK PRODUCTION
North Dakota 1989-90

Item	Year	Jan-Mar	Apr-June	July-Sept	Oct-Dec	Annual
		Thousand Head				
Milk Cows 1/	1989	87	86	84	85	86
	1990	89	89	87	85	88
		Pounds				
Production Per Cow	1989	2,980	3,190	3,050	2,880	11,977
	1990	3,100	3,250	3,150	3,100	12,534
		Million Pounds				
Total Milk Produced	1989	255	274	256	245	1,030
	1990	276	289	274	264	1,103

1/ Average number on farms during quarter or year.

MILK PRODUCTION INDEXES
NORTH DAKOTA, 1966 - 90 (1967 = 100)



MILK: Production, Disposition & Income
North Dakota, 1989-90

Item	Unit	1989	1990
Average Number of Milk Cows on Farms	000 Head	86	88
Production of Milk and Milkfat			
a) Per cow, milk	Pounds	11,977	12,534
b) Per cow, milkfat	Pounds	440	456
c) Percent of fat in Milk	Percent	3.67	3.64
d) Total			
1. Milk	Mil. Lbs.	1,030	1,103
2. Milkfat	Mil. Lbs.	37.8	40.1
Milk Used on Farms Where Produced			
a) Fed to calves	Mil. Lbs.	26	25
b) Used for milk, cream & butter	Mil. Lbs.	4	3
c) Total	Mil. Lbs.	30	28
Milk Marketed by Farmers			
Sold to plants and dealers 1/	Mil. Lbs.	1,000	1,075
Percent fluid grade	Percent	56	51
Combined Marketing of Milk and Cream			
a) Milk utilized	Mil. Lbs.	1,000	1,075
b) Average returns			
1. Per 100 lbs. of milk	Dollars	12.20	12.50
2. Per lb. of milkfat	Dollars	3.32	3.43
c) Cash Receipts from marketing	000 Dols.	122,000	134,375
Used for Milk, Cream and Butter on Farms Where Produced			
a) Milk utilized	Mil. Lbs.	4	3
b) Value	000 Dols.	488	375
Gross Producer Income 2/	000 Dols.	122,488	134,750
Farm Value of Milk Produced	000 Dols.	125,660	137,875

1/ Includes the equivalent amounts of milk for cream sold to plants and dealers and milk produced by dealer's own herds. 2/ Cash receipts plus value of milk used for home consumption.

DAIRY PRODUCTS
North Dakota, 1989-90

Item	1989	1990
	Thousand Lbs.	
Butter	6,416	4,766
American Cheese	40,017	44,628
Cottage Cheese		
Creamed	1,441	1,423
Lowfat	3,788	3,361
Curd	3,081	2,694
Non-Fat Dry Milk		
Human Food	4,576	2,818
Animal Feed	48	23
Dry Buttermilk	322	107
Ice Cream, Total	1,973	1,873
Hard	1,973	1,847
Soft	---	26
Ice Milk, Total	1,506	1,263
Hard	118	123
Soft	1,388	1,140
Milk Sherbert	52	74
Ice Cream Mix	786	726
Ice Milk Mix	944	942
Milk Sherbet Mix	61	47

AMERICAN CHEESE AND BUTTER PRODUCTION
North Dakota, 1989-90

Item	Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Total
		Thousand Pounds												
American Cheese	1989	3,119	2,911	3,450	3,423	3,821	4,084	3,584	3,191	3,111	3,039	2,979	3,325	40,017
	1990	3,385	3,247	3,745	3,859	4,356	4,357	3,952	3,703	3,215	3,508	3,540	3,761	44,628
Butter	1989	659	644	807	634	611	500	320	384	400	524	469	464	6,416
	1990	456	377	281	284	349	406	277	387	391	531	528	499	4,766

Source: N.D. State Dairy Commissioner and N.D. Agricultural Statistics Service cooperating.

June 1991

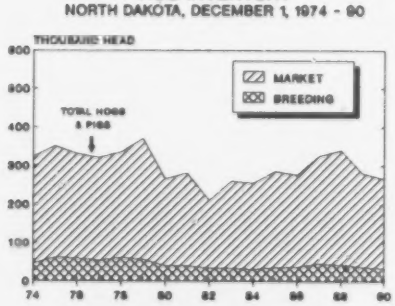
HOGS & PIGS

INVENTORY NUMBERS AND PIG CROP
North Dakota, December 1, 1986-90

Class	1986	1987	1988	1989	1990
			--- Head ---		
ALL HOGS & PIGS	275,000	325,000	340,000	280,000	265,000
Kept for Breeding	37,000	46,000	42,000	36,000	34,000
Market	238,000	279,000	298,000	244,000	231,000
Market Hogs & Pigs					
Under 60 Lbs.	86,000	108,000	107,000	95,000	88,000
60-119 Lbs.	63,000	66,000	75,000	58,000	55,000
120-179 Lbs.	47,000	57,000	62,000	51,000	46,000
180 Lbs. & Over	42,000	48,000	54,000	40,000	42,000
SOWS FARROWING					
December 1/ - February	17,000	15,000	17,000	12,000	12,000
March - May	16,000	20,000	19,000	17,000	15,000
December 1/ - May	33,000	35,000	36,000	29,000	27,000
June - August	17,000	21,000	23,000	14,000	14,000
September - November	13,000	16,000	16,000	14,000	13,000
June - November	30,000	37,000	39,000	28,000	27,000
PIGS PER LITTER					
December 1/ - February	---	---	7.6	7.7	7.8
March - May	---	---	7.6	7.6	7.7
December 1/ - May	7.9	7.9	7.6	7.6	7.8
June - August	---	---	7.4	7.7	7.6
September - November	---	---	7.6	7.7	7.8
June - November	7.7	7.9	7.5	7.7	7.7
PIG CROP					
December 1/- February	---	---	129,000	92,000	94,000
March - May	---	---	144,000	129,000	116,000
December 1/ - May	261,000	277,000	273,000	221,000	210,000
June - August	---	---	170,000	108,000	106,000
September - November	---	---	122,000	108,000	101,000
June - November	231,000	292,000	292,000	216,000	207,000

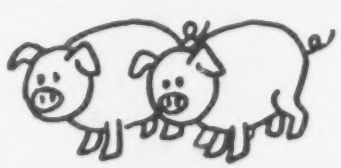
1/ December preceding year.

HOG INVENTORY
NORTH DAKOTA, DECEMBER 1, 1974 - 90



HISTORIC INVENTORY
North Dakota, December 1, 1981-90

Year	Breeding	Market	Total
		--- Head ---	
1981	40,000	240,000	280,000
1982	34,000	176,000	210,000
1983	33,000	227,000	260,000
1984	31,000	224,000	255,000
1985	35,000	250,000	285,000
1986	37,000	238,000	275,000
1987	46,000	279,000	325,000
1988	42,000	298,000	340,000
1989	36,000	244,000	280,000
1990	34,000	231,000	265,000



PRODUCTION, DISPOSITION & INCOME
North Dakota, 1986-90

Item	Unit	1986	1987	1988	1989	1990
Number on Hand Beginning of Yr. 1/	000 Head	285	275	325	340	280
Pig Crop	000 Head	492	569	565	437	417
Inshipments	000 Head	15	26	24	20	19
Marketings	000 Head	494	520	538	473	429
Farm Slaughter	000 Head	4	4	5	4	2
Deaths	000 Head	19	21	31	40	20
Number on Hand End of Year	000 Head	275	325	340	280	265
Production	000 Lbs.	98,372	111,372	108,679	83,562	87,885
Marketings	000 Lbs.	98,007	104,820	106,265	91,340	88,830
Price/100 Lbs.	Dollars	47.60	49.00	39.40	39.00	50.40
Cash Receipts	000 Dols.	47,604	52,622	43,000	36,397	45,247
Value of Home Consumption	000 Dols.	830	960	847	655	433
Gross Income	000 Dols.	48,434	53,582	43,847	37,052	45,680

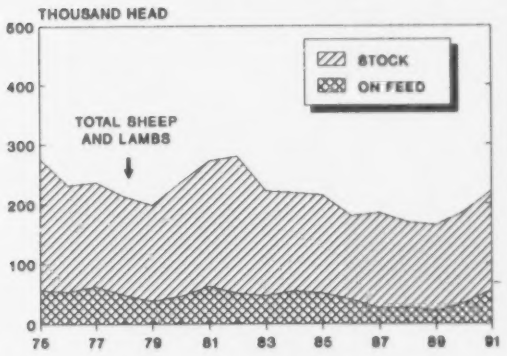
1/ December 1 preceding year

SHEEP

INVENTORY NUMBERS
North Dakota, January 1, 1987-91

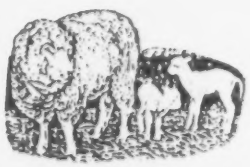
Class	1987	1988	1989	1990	1991
	- - - Thousand Head - - -				
ALL SHEEP & LAMBS	185	169	164	186	222
On Feed	25	27	21	34	55
Stock Sheep	160	142	143	152	167
Lambs					
Ewes	29	20	22	23	22
Wether and Rams	7	3	5	4	2
1 Year Old and Older					
Ewes	120	114	111	120	138
Wethers and Rams	4	5	5	5	5

SHEEP INVENTORY
NORTH DAKOTA, JANUARY 1, 1975 - 91

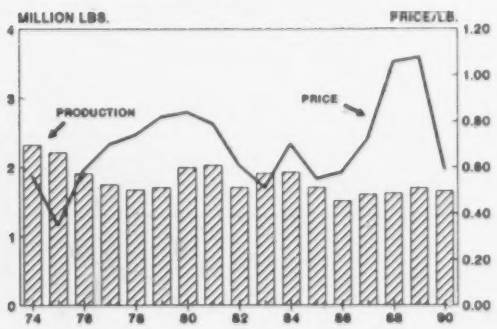


HISTORIC INVENTORY
North Dakota, January 1, 1982-91

Year	On Feed	Stock Sheep	Total
	- - - Head - - -		
1982	50,000	230,000	280,000
1983	47,000	175,000	222,000
1984	54,000	165,000	219,000
1985	50,000	165,000	215,000
1986	40,000	140,000	180,000
1987	25,000	160,000	185,000
1988	27,000	142,000	169,000
1989	21,000	143,000	164,000
1990	34,000	152,000	186,000
1991	55,000	167,000	222,000



WOOL PRODUCTION AND PRICE
NORTH DAKOTA, 1974 - 90



PRODUCTION, DISPOSITION & INCOME
North Dakota, 1985-90

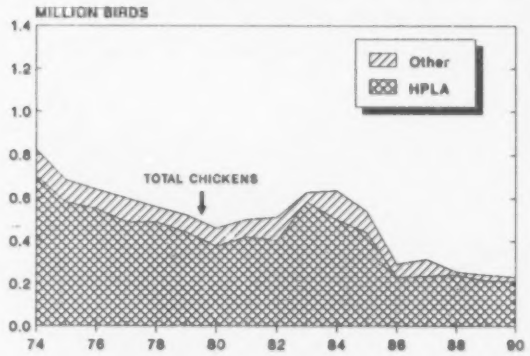
Item	Unit	1985	1986	1987	1988	1989	1990
		SHEEP & LAMBS					
Number on Hand Beginning of Yr.	000 Head	215	180	185	169	164	186
Lambs Saved	000 Head	160	165	150	141	156	171
Inshipments	000 Head	18	15	22	15	17	19
Marketings:							
Sheep	000 Head	38	15	37	25	17	6
Lambs	000 Head	146	134	125	114	109	118
Total	000 Head	184	149	162	139	126	123
Farm Slaughter	000 Head	1	1	1	1	1	1
Deaths:							
Sheep	000 Head	10	7	10	7	7	9
Lambs	000 Head	18	18	15	14	17	21
Total	000 Head	28	25	25	21	24	30
Number on Hand End of Year	000 Head	180	185	169	164	186	222
Production	000 Lbs.	14,284	15,475	13,746	12,717	14,038	14,319
Marketings	000 Lbs.	19,975	15,840	16,960	14,235	12,640	11,230
Price/100 Lbs.:							
Sheep	Dollars	18.80	21.80	24.80	21.30	21.40	20.80
Lambs	Dollars	65.30	67.80	78.20	67.80	65.30	51.20
All Classes	Dollars	54.20	62.40	61.90	56.40	57.00	49.30
Cash Receipts	000 Dols.	10,835	9,877	10,497	8,024	7,209	5,537
Value of Home Consumption	000 Dols.	144	149	172	149	144	113
Gross Income	000 Dols.	10,979	10,026	10,669	8,173	7,353	5,650
		WOOL					
Sheep Shorn	000 Head	185	157	169	169	185	185
Production	000 Lbs.	1,704	1,509	1,605	1,620	1,690	1,650
Fleece Weight	Pounds	9.2	9.6	9.5	9.6	9.1	8.9
Price/Lb.	Dollars	.55	.58	.72	1.06	1.08	.59
Value of Production	000 Dols.	937	875	1,156	1,717	1,825	974

POULTRY & HONEY

CHICKEN INVENTORY
North Dakota, December 1, 1986-90

Class	1986	1987	1988	1989	1990
	- - - Thousand Head - - -				
ALL CHICKENS	290	315	255	240	230
Laying Age	230	235	240	215	210
Hens	128	95	132	60	56
Pullets	102	140	108	155	154
Other	60	80	15	25	20

CHICKEN INVENTORY
NORTH DAKOTA, DECEMBER 1, 1974 - 90



POULTRY: Production, Disposition & Income
North Dakota, 1986-90

Item	Unit	1986	1987	1988	1989	1990
		CHICKENS				
Lost	000 Birds	80	120	120	120	100
Sold, Birds	000 Birds	400	250	200	220	200
Pounds	000 Lbs.	1,600	1,000	800	880	720
Price per Pound	Cents	9.0	6.0	8.0	12.5	7.3
Gross Income	000 Dols.	144	60	64	110	53
		EGGS				
Number of Layers During the year	000 Birds	256	246	246	206	215
Egg Production						
Per Layer	Number	238	236	240	227	236
Total	Mil. Eggs	61	58	59	47	51
Price/Dozen	Cents	46.0	40.0	35.0	50.0	55.2
Value of Production	000 Dols.	2,338	1,933	1,721	1,958	2,346
		TURKEYS				
Number Raised 1/	000 Head	1,000	1,240	1,150	1,280	1,350
Production	000 Lbs.	19,300	28,892	25,990	26,880	24,840
Price per Pound	Cents	48.0	30.0	40.0	37.0	35.0
Value of Production	000 Dols.	9,264	8,668	10,396	9,946	8,694
		HONEY				
Number of Colonies	Thousand	290	290	230	290	210
Yield per Colony	Lbs.	107	110	66	56	82
Production	000 Lbs.	31,030	31,900	15,180	16,240	17,220
Price per Pound	Cents	45.0	45.0	43.0	47.0	50.0
Value of Production	000 Dols.	13,964	14,355	6,527	7,633	8,610
Stocks on Hand 2/	000 Lbs.	1,862	3,509	1,518	1,137	689

1/ Based on turkeys hatched September 1 to August 31. Excludes young turkeys lost. 2/ Does not include stocks under loan.

EGG PRODUCTION
North Dakota, 1986-1990

Year	Number of Layers					Eggs Produced				
	Dec.*-Feb.	Mar.-May	June-Aug	Sept.-Nov.	Annual Average	Dec.*-Feb.	Mar.-May	June-Aug.	Sept.-Nov.	Annual Total
	(Number of Layers)					(000 Eggs)				
1986	325,000	228,000	240,000	233,000	256,000	19,000	14,000	14,000	14,000	61,000
1987	235,000	245,000	255,000	248,000	246,000	14,000	14,000	15,000	15,000	58,000
1988	248,000	255,000	243,000	238,000	246,000	16,000	16,000	14,000	13,000	59,000
1989	220,000	200,000	200,000	208,000	206,000	12,000	12,000	11,000	12,000	47,000
1990	230,000	228,000	203,000	203,000	215,000	13,000	13,000	13,000	12,000	51,000

*December preceding year.

ALL CATTLE

Inventory, North Dakota, January 1

MILK COWS

Inventory, North Dakota, January 1

District and County	5-Year Average 1986-90 1/	1989	1990	1991	5-Year Average 1986-90 1/	1989	1990	1991
	--- Number of Head ---							
Burke	11,200	10,000	11,000	11,000	240	200	200	200
Divide	12,800	12,000	13,000	13,500	120	100	100	100
Mountrail	32,000	27,000	31,000	33,500	1,060	900	1,100	1,000
Renville	7,200	6,000	7,000	7,000	460	400	400	300
Ward	38,000	33,000	43,000	44,000	1,940	1,700	1,600	1,500
Williams	25,200	22,000	25,000	26,000	400	400	400	300
Northwest	126,400	110,000	130,000	135,000	4,220	3,700	3,800	3,400
Benson	28,300	26,000	26,500	26,500	1,260	1,200	1,100	1,000
Bottineau	16,800	15,000	16,000	16,000	400	500	300	200
McHenry	67,600	60,000	66,000	66,000	2,480	1,900	1,500	1,200
Pierce	26,000	23,000	30,000	30,000	1,980	1,800	2,100	1,800
Rolette	21,900	21,000	21,500	21,500	680	800	600	400
North Central	160,600	145,000	160,000	160,000	6,800	6,200	5,600	4,600
Cavalier	7,800	7,000	7,000	7,800	240	200	200	200
Grand Forks	13,200	14,000	9,000	8,000	880	800	700	600
Nelson	14,000	12,000	12,000	12,500	900	1,000	800	600
Pembina	9,600	9,000	9,000	8,500	180	200	200	200
Ramsey	8,400	8,000	8,000	7,500	460	400	400	600
Towner	6,800	6,000	6,000	7,500	260	200	200	200
Walsh	15,800	14,000	14,000	13,200	640	500	600	800
Northeast	75,600	70,000	65,000	65,000	[illegible]	3,300	3,100	3,200
Dunn	87,200	75,000	81,000	84,500	1,800	1,800	2,000	2,100
McKenzie	71,400	66,000	72,000	74,500	360	300	400	400
McLean	42,400	37,000	38,000	40,000	1,880	1,700	1,900	2,200
Mercer	42,200	38,000	40,000	41,000	1,800	1,700	1,600	1,700
Oliver	33,200	29,000	29,000	30,000	2,640	2,500	2,500	2,600
West Central	276,400	245,000	260,000	270,000	8,480	8,000	8,400	9,000
Eddy	19,200	18,000	20,000	20,000	640	500	600	500
Foster	18,400	18,000	19,000	19,000	380	[illegible]0	300	200
Kidder	66,000	60,000	65,000	74,500	3,020	3,0[illegible]	2,600	2,800
Sheridan	26,400	23,000	23,000	25,000	1,780	1,800	2,000	2,000
Stutsman	62,600	60,000	57,000	54,000	5,020	4,900	4,400	4,600
Wells	27,600	26,000	26,000	27,500	1,440	1,300	1,400	1,400
Central	220,200	205,000	210,000	220,000	12,280	11,900	11,300	11,500
Barnes	26,200	23,000	24,000	23,500	1,760	1,800	2,000	2,000
Cass	24,400	22,000	22,000	22,000	900	800	1,000	900
Griggs	17,400	15,000	15,000	15,500	800	700	800	900
Steele	5,400	5,000	5,000	6,000	200	200	200	100
Traill	5,600	5,000	4,000	3,000	300	300	300	200
East Central	79,000	70,000	70,000	70,000	3,960	3,800	4,300	4,100
Adams	33,000	29,000	33,000	30,000	480	600	500	600
Billings	28,400	25,000	29,000	29,500	400	400	500	400
Bowman	30,200	28,000	27,000	25,500	240	100	100	100
Golden Valley	26,600	25,000	23,000	20,000	580	500	600	600
Hettinger	26,800	24,000	25,000	24,000	2,340	2,000	2,100	2,200
Slope	28,600	25,000	31,000	32,000	380	300	300	300
Stark	56,000	49,000	52,000	54,000	4,800	4,600	4,700	5,000
Southwest	229,600	205,000	220,000	215,000	9,220	8,500	8,800	9,200
Burleigh	65,000	57,000	60,000	55,000	2,140	2,300	2,100	2,100
Emmons	69,400	60,000	65,000	60,000	7,980	7,700	7,800	6,800
Grant	70,600	63,000	65,000	60,000	4,880	4,600	4,600	3,900
Morton	100,000	89,000	96,000	85,000	8,340	8,100	8,200	8,200
Sioux	35,000	31,000	34,000	30,000	1,240	1,200	1,200	1,000
South Central	340,000	300,000	320,000	290,000	24,580	23,900	23,900	22,000
Dickey	50,200	42,000	44,000	46,000	2,540	2,300	2,500	2,500
LaMoure	36,600	31,000	34,000	34,000	3,960	3,800	4,000	4,100
Logan	56,800	55,000	58,000	61,000	4,560	4,300	4,200	4,200
McIntosh	54,400	45,000	50,000	52,000	4,480	4,100	4,100	4,100
Ransom	30,600	26,000	27,000	25,500	1,000	1,000	700	500
Richland	36,200	30,000	30,000	35,000	2,120	1,800	2,000	1,700
Sargent	27,400	21,000	22,000	21,500	1,440	1,400	1,300	900
Southeast	292,200	250,000	265,000	275,000	20,100	18,700	18,800	18,000
STATE	1,800,000	1,600,000	1,700,000	1,700,000	93,200	88,000	88,000	85,000

1/ Totals may not add due to rounding

June 1991

HOGS & PIGS

Inventory, North Dakota, December 1

District and County	5-Year Average 1985-89 1/	1988	1989	1990
	--- Number of Head ---			
Burke	640	800	500	300
Divide	3,820	5,500	4,000	2,200
Mountrail	940	900	500	300
Renville	700	900	700	200
Ward	3,260	4,400	3,000	1,500
Williams	1,940	2,500	1,300	500
Northwest	11,300	15,000	10,000	5,000
Benson	2,300	2,600	2,100	1,000
Bottineau	1,780	2,000	1,500	800
McHenry	2,020	2,500	1,600	1,200
Pierce	1,020	1,500	1,200	1,000
Rolette	1,400	1,400	1,600	2,000
North Central	8,520	10,000	8,000	6,000
Cavalier	2,520	2,300	2,500	2,300
Grand Forks	6,500	7,200	5,500	6,000
Nelson	1,640	1,600	1,200	700
Pembina	11,240	13,500	10,300	7,500
Ramsey	2,100	2,100	1,700	2,000
Towner	2,040	2,300	1,800	1,500
Walsh	6,580	6,000	5,000	8,000
Northeast	32,620	35,000	28,000	28,000
Dunn	3,840	4,600	4,000	4,200
McKenzie	3,780	4,800	3,900	4,000
McLean	3,220	3,400	2,600	3,000
Mercer	1,480	1,500	1,300	1,100
Oliver	6,440	6,700	5,200	5,700
West Central	18,760	21,000	17,000	18,000
Eddy	920	1,000	900	800
Foster	2,620	3,000	1,800	1,600
Kidder	3,360	4,500	3,400	3,500
Sheridan	1,580	1,800	1,200	700
Stutsman	9,780	11,500	10,000	8,000
Wells	3,240	4,200	3,700	3,400
Central	21,500	26,000	21,000	18,000
Barnes	13,040	14,500	11,100	11,000
Cass	22,940	25,300	21,000	21,000
Griggs	2,480	3,000	2,300	1,800
Steele	980	900	1,100	900
Traill	4,860	5,300	4,500	5,300
East Central	44,300	49,000	40,000	40,000
Adams	2,420	2,700	1,900	1,000
Billings	820	1,300	900	600
Bowman	2,660	3,700	3,000	1,800
Golden Valley	2,880	3,100	3,100	2,500
Hettinger	8,780	9,900	9,300	8,600
Slope	4,500	4,100	2,900	1,500
Stark	6,240	7,200	5,900	4,000
Southwest	28,300	32,000	27,000	20,000
Burleigh	9,400	9,200	7,000	7,500
Emmons	5,020	5,300	3,600	4,500
Grant	14,280	15,600	12,000	8,000
Morton	12,240	14,000	9,900	9,000
Sioux	1,560	1,900	1,500	1,000
South Central	42,500	46,000	34,000	30,000
Dickey	21,520	24,000	21,100	23,500
LaMoure	8,100	10,500	8,000	9,000
Logan	2,000	2,200	1,800	1,500
McIntosh	2,220	2,500	2,100	2,500
Ransom	14,440	18,000	17,000	18,500
Richland	25,420	25,800	25,000	26,000
Sargent	19,500	23,000	20,000	19,000
Southeast	93,200	106,000	95,000	100,000
STATE	301,000	340,000	280,000	265,000

SHEEP

Inventory, North Dakota, January 1

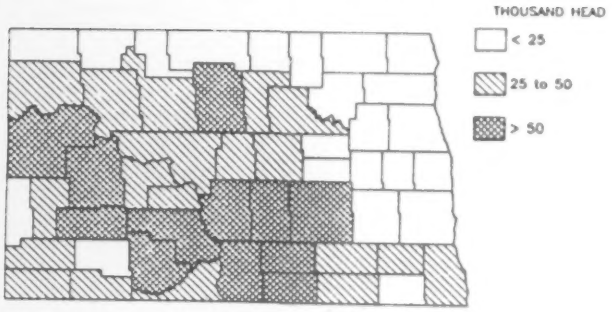
District and County	5-Year Average 1986-90 1/	1989	1990	1991
	--- Number of Head ---			
Burke	2,320	1,700	1,800	2,500
Divide	1,840	1,400	1,500	2,000
Mountrail	2,700	2,500	3,200	3,500
Renville	440	400	500	700
Ward	3,700	3,000	3,100	4,300
Williams	7,800	8,000	8,900	10,000
Northwest	18,800	17,000	19,000	23,000
Benson	2,760	3,200	3,400	3,500
Bottineau	1,540	1,500	1,700	1,800
McHenry	3,540	3,600	3,800	5,500
Pierce	980	900	1,300	1,600
Rolette	1,300	800	800	1,600
North Central	10,120	10,000	11,000	14,000
Cavalier	400	300	400	600
Grand Forks	1,860	1,800	1,800	2,600
Nelson	1,840	1,800	2,000	2,600
Pembina	580	500	600	1,000
Ramsey	1,100	800	1,100	1,500
Towner	1,860	1,500	1,600	2,200
Walsh	1,160	1,300	1,500	1,500
Northeast	8,800	8,000	9,000	12,000
Dunn	2,920	3,100	4,000	4,500
McKenzie	9,640	7,000	9,400	12,800
McLean	2,280	2,300	2,300	2,500
Mercer	940	1,000	1,200	1,400
Oliver	2,220	1,600	2,100	2,800
West Central	18,000	15,000	19,000	24,000
Eddy	3,100	2,900	3,100	3,500
Foster	2,980	3,300	3,400	5,100
Kidder	8,960	9,400	9,700	9,500
Sheridan	480	400	500	400
Stutsman	6,600	7,400	7,600	9,000
Wells	2,600	2,600	2,700	3,500
Central	24,720	26,000	27,000	31,000
Barnes	6,260	6,100	7,600	10,500
Cass	7,960	7,200	10,000	10,700
Griggs	1,080	700	900	1,500
Steele	1,260	600	1,000	1,000
Traill	580	400	500	300
East Central	17,140	15,000	20,000	24,000
Adams	10,400	9,500	10,500	12,000
Billings	680	600	700	800
Bowman	20,060	16,600	20,000	23,500
Golden Valley	3,680	3,300	3,500	4,300
Hettinger	960	900	1,200	2,100
Slope	4,260	4,600	4,400	4,800
Stark	3,760	3,500	3,700	4,500
Southwest	43,800	39,000	44,000	52,000
Burleigh	3,180	3,400	3,800	5,000
Emmons	1,240	1,200	1,300	1,700
Grant	4,140	4,100	4,400	5,500
Morton	4,140	4,100	4,400	5,000
Sioux	1,520	1,200	1,100	800
South Central	14,220	14,000	15,000	18,000
Dickey	6,440	5,900	6,400	7,500
LaMoure	5,760	6,000	6,500	6,700
Logan	820	500	700	600
McIntosh	1,200	1,200	1,300	1,700
Ransom	2,080	1,900	1,900	2,000
Richland	2,340	2,200	2,700	2,700
Sargent	2,560	2,300	2,500	2,800
Southeast	21,200	20,000	22,000	24,000
STATE	176,800	164,000	186,000	222,000

1/ Totals may not add due to rounding.

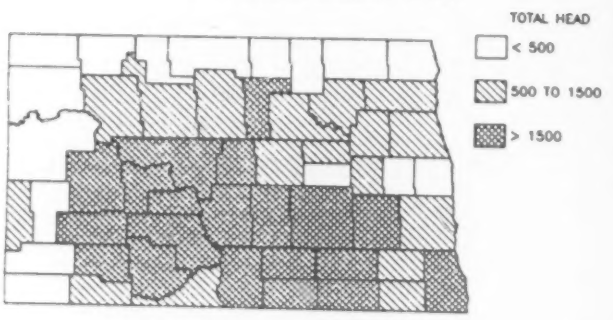
June 1991

LIVESTOCK

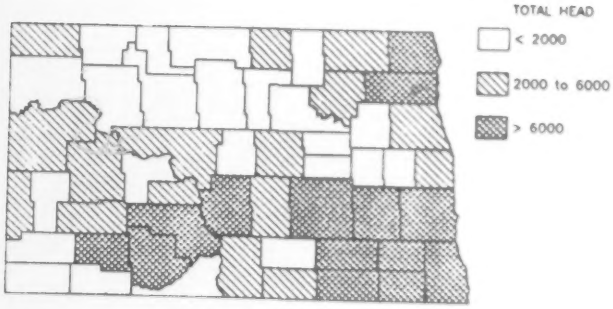
ALL CATTLE INVENTORY
NORTH DAKOTA, JANUARY 1, 1991



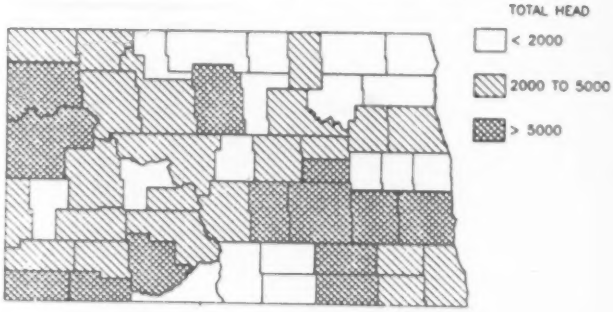
MILK COW INVENTORY
NORTH DAKOTA, JANUARY 1, 1991



HOG INVENTORY
NORTH DAKOTA, DECEMBER 1, 1990



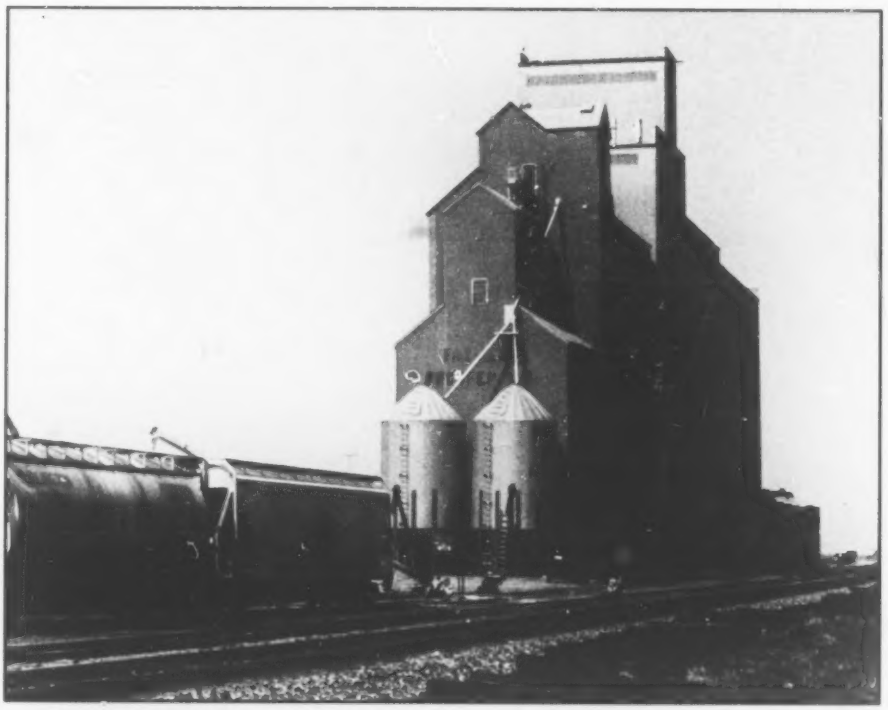
SHEEP INVENTORY
NORTH DAKOTA, JANUARY 1, 1991



MEAT ANIMALS (Cattle, Sheep & Hogs):
Production & Income, North Dakota, 1970-90

Year	Production	Marketings	Avg. Price per 100 Lbs.	Value of Production	Cash Receipts	Value of Home Consumption	Gross Income
	--- Thousand Lbs. ---		--- Dols. ---		--- Thousand Dollars ---		
1970	894,029	818,837	26.80	241,618	219,307	9,317	228,624
1971	996,562	932,374	27.20	273,767	253,347	9,782	263,129
1972	1,003,695	922,526	33.50	339,535	309,501	10,345	319,846
1973	1,046,453	896,622	44.60	467,914	399,655	14,335	413,990
1974	1,117,314	1,082,104	34.00	379,795	368,009	14,828	382,837
1975	1,018,448	1,203,866	31.20	321,860	375,020	9,902	384,922
1976	977,472	1,112,526	34.60	340,174	385,138	10,430	395,568
1977	870,004	1,060,853	35.60	312,232	377,556	10,001	387,557
1978	782,866	833,097	50.50	392,701	420,395	16,764	437,159
1979	863,865	843,432	67.70	582,259	571,269	16,589	587,858
1980	934,292	1,045,550	60.90	563,886	636,380	15,743	652,123
1981	905,927	799,762	54.70	496,159	437,431	10,475	447,906
1982	849,964	848,756	52.60	449,466	446,633	8,216	454,849
1983	914,974	894,935	53.10	485,509	475,641	8,778	484,419
1984	927,466	984,213	53.20	491,691	523,793	8,694	532,487
1985	934,119	973,795	53.90	500,302	524,548	8,915	533,463
1986	866,297	980,327	52.70	457,742	516,870	7,692	524,562
1987	873,908	936,130	65.00	560,601	606,848	8,907	617,755
1988	752,686	977,040	71.90	540,091	702,137	8,902	711,039
1989	757,290	697,240	73.50	554,033	512,128	7,320	519,448
1990	751,254	820,360	79.10	594,104	648,637	6,906	655,543

PRICES



CROPS
LIVESTOCK
INDEXES
GRAZING RATES

NORTH DAKOTA PRICES

Prices for all farm commodities, as a group, were 5 percent lower during 1990 than for 1989. This is based on the Index of Prices Received for All Farm Products, which averaged 153 percent of its 1977 base compared to 161 percent the previous year.

The All Crops Index for 1990, at 130, was 14 percent below the average for 1989. The All Livestock Products Index, at 201, established a new record high and was 9 percent higher than the previous record in 1989.

Crop marketing year average prices received by farmers in 1990 averaged lower for all crop commodities except soybeans and oil sunflowers, which increased. The 1990 marketing year average price for spring wheat was 30 percent lower than the previous year while durum wheat fell 23 percent. The spring wheat and durum wheat price has not been this low since 1977 and 1976, respectively. The all barley price decreased 14 percent from 1989, while all sunflower remained the same.

Market year average prices for livestock and livestock products during 1990 averaged higher than a year ago for beef cattle, steers and heifers, cows, calves, hogs, milk cows, wholesale milk, and eggs. Prices were lower for sheep, lambs, chickens, turkeys, and wool. The 1990 marketing year average price for beef cattle increased 6 percent from 1989 while steers and heifers increased 5 percent.

INDEXES OF PRICES RECEIVED BY FARMERS, BY MONTH AND CALENDAR YEAR AVERAGE
North Dakota, 1989-90

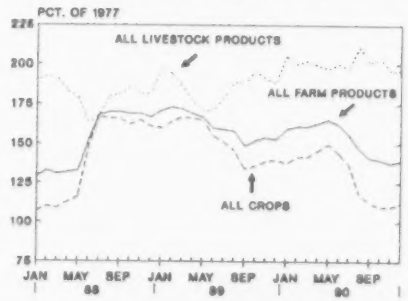
Commodity	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Avg.
							(1977 = 100) 1/						
1989													
All Farm Products	171	173	172	169	167	160	159	158	149	152	154	153	161
All Crops	160	164	167	166	165	155	151	146	134	136	139	140	152
Food Grains	163	168	168	161	165	159	156	149	142	143	143	145	155
Feed Grains & Hay	166	162	165	162	157	134	123	136	126	130	126	128	143
Oil Bearing Crops	123	120	116	115	113	101	102	103	102	96	102	104	108
Other Crops 2/	185	205	222	[illegible]	238	233	230	198	154	164	187	178	203
All Livestock Products	198	194	186	[illegible]	171	171	179	189	188	195	191	188	185
Meat Animals	212	209	199	[illegible]	182	181	190	202	198	204	197	192	196
Dairy Products	141	135	130	127	128	129	131	138	149	159	170	178	143
Poultry, Eggs & Wool	113	113	113	113	113	113	113	113	113	113	113	111	113
1990													
All Farm Products	159	161	161	163	165	162	156	147	141	140	138	139	153
All Crops	138	142	142	146	150	144	137	118	113	110	110	112	130
Food Grains	143	142	141	143	143	136	117	105	99	100	98	99	122
Feed Grains & Hay	124	126	125	125	134	126	116	114	116	111	116	116	121
Oil Bearing Crops	97	103	103	109	110	115	115	122	115	99	96	98	107
Other Crops 2/	187	206	211	224	233	222	242	151	143	146	152	155	189
All Livestock Products	205	200	202	199	197	200	197	211	201	204	196	196	201
Meat Animals	214	212	214	212	209	211	207	223	213	219	210	212	213
Dairy Products	169	145	145	142	144	149	151	153	149	135	131	123	145
Poultry, Eggs & Wool	108	108	108	108	108	108	108	108	108	108	108	108	108

1/ Base price is 1977 average. Quantity weights based on moving three-year average sales. 2/ Potatoes, dry edible beans and sugarbeets.

INDEXES OF PRICES RECEIVED BY FARMERS
Annual Average, North Dakota, 1981-90

Year	All Commodities	All Crops	All Livestock	All Commodities	All Crops	All Livestock
	(1977=100)			(1910-1914=100)		
1981	154	155	152	535	467	736
1982	134	129	149	466	389	721
1983	139	136	148	483	410	717
1984	145	144	148	504	434	717
1985	133	129	146	462	389	707
1986	114	104	144	396	314	697
1987	121	105	169	421	317	818
1988	152	141	181	528	425	876
1989	161	152	185	560	458	896
1990	153	130	201	532	392	973

INDEXES OF PRICES RECEIVED
NORTH DAKOTA, 1988 - 90



AVERAGE PRICE RECEIVED BY FARMERS
North Dakota, 1986-90

Year	Chickens	Turkeys	Eggs	Wool
	(Dollars per Pound)		($/doz.)	($/lb.)
1986	.090	.480	.460	.580
1987	.060	.300	.400	.720
1988	.080	.400	.350	1.060
1989	.125	.370	.500	1.080
1990	.073	.350	.552	.590

GRAZING RATES 1/
North Dakota, 1986-90

Year	Survey Average Rates		
	Animal Unit	Cow-Calf	Per Head
	- - - Dollars - - -		
1986	7.63	9.14	NA
1987	7.41	8.86	NA
1988	7.67	9.11	8.88
1989	8.26	8.38	9.23
1990	8.52	10.18	8.85

NA - Not Available. 1/ Privately owned non-irrigated land from June Acreage and Livestock Survey.

NORTH DAKOTA PRICES

PRICES RECEIVED BY PRODUCERS
For Selected Crops, North Dakota, 1986-90 1/

Commodity	Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mktg. Yr. Average
								- - - Dollars - - -						
All Wheat (per bu)	1986	3.33	3.27	3.34	3.45	3.43	2.92	2.30	2.23	2.30	2.28	2.53	2.58	2.54
	1987	2.73	2.76	2.80	2.83	2.86	2.74	2.58	2.56	2.83	2.89	2.98	2.89	2.95
	1988	2.85	2.91	2.76	2.95	3.03	3.85	4.23	4.21	4.19	4.05	4.09	3.94	4.02
	1989	3.90	4.01	4.03	3.86	3.94	3.80	3.74	3.57	3.40	3.42	3.41	3.47	3.45
	1990	3.42	3.40	3.36	3.43	3.42	3.25	2.79	2.52	2.36	2.39	2.35	2.37	2.47
Spring Wheat Other than Durum (per bu)	1986	3.54	3.43	3.49	3.59	3.49	2.72	2.33	2.32	2.31	2.22	2.53	2.51	2.52
	1987	2.68	2.68	2.64	2.62	2.79	2.54	2.43	2.44	2.57	2.64	2.67	2.73	2.80
	1988	2.78	2.77	2.70	2.85	2.95	3.36	3.64	3.73	3.79	3.78	3.74	3.78	3.78
	1989	3.87	3.86	3.94	3.89	3.92	3.79	3.82	3.62	3.49	3.50	3.48	3.53	3.50
	1990	3.50	3.45	3.39	3.43	3.40	3.27	2.72	2.52	2.35	2.36	2.32	2.32	2.45
Durum Wheat (per bu)	1986	3.16	3.16	3.20	3.29	3.37	3.18	2.28	2.11	2.29	2.35	2.54	2.64	2.66
	1987	2.82	2.92	3.03	3.12	3.12	3.15	3.00	2.88	3.18	3.26	3.31	3.18	3.38
	1988	3.08	3.24	2.89	3.20	3.33	4.78	5.24	5.30	5.14	4.96	4.88	4.59	4.60
	1989	4.06	4.57	4.44	3.79	4.05	3.83	3.59	3.44	3.22	3.24	3.26	3.34	3.32
	1990	3.27	3.28	3.30	3.44	3.44	3.23	2.94	2.52	2.38	2.43	2.43	2.45	2.55
Oats (per bu)	1986	1.13	1.04	1.04	1.16	1.04	0.99	0.84	0.85	0.85	1.00	1.30	1.34	1.20
	1987	1.29	1.28	1.29	1.31	1.43	1.33	1.26	1.31	1.38	1.51	1.60	1.67	1.57
	1988	1.70	1.70	1.58	1.72	1.70	2.59	2.69	2.22	2.73	2.51	2.50	2.37	2.34
	1989	2.15	2.17	2.03	2.06	2.01	1.61	1.32	1.20	1.15	1.20	1.15	1.25	1.20
	1990	1.24	1.11	1.19	1.21	1.26	1.10	0.96	0.91	0.86	0.94	0.96	0.97	0.93
All Barley (per bu)	1986	1.82	1.82	1.78	1.70	1.51	1.35	1.20	1.06	1.14	1.31	1.43	1.42	1.37
	1987	1.42	1.53	1.54	1.53	1.65	1.65	1.58	1.29	1.32	1.44	1.52	1.54	1.70
	1988	1.47	1.51	1.58	1.64	1.65	2.57	3.20	3.25	3.27	3.22	3.08	2.90	2.97
	1989	2.90	2.79	2.85	2.78	2.68	2.18	1.94	2.39	2.16	2.25	2.14	2.17	2.15
	1990	2.07	2.13	2.08	2.03	2.21	2.08	1.78	1.79	1.93	1.84	1.94	1.96	1.85
Barley, Feed (per bu)	1986	1.74	1.63	1.57	1.53	1.39	1.25	1.13	1.03	1.10	1.24	1.30	1.31	1.25
	1987	1.40	1.48	1.47	1.42	1.54	1.56	1.47	1.20	1.26	1.30	1.43	1.42	1.45
	1988	1.43	1.39	1.47	1.47	1.50	2.03	2.42	2.19	2.17	2.28	2.07	2.15	2.16
	1989	2.18	2.29	2.37	2.09	1.87	1.80	1.72	1.75	1.79	1.71	1.88	1.89	1.82
	1990	1.79	1.81	1.82	1.85	1.92	1.90	1.62	1.62	1.61	1.67	1.71	1.71	1.70
Barley, Malting (per bu)	1986	1.87	1.88	1.88	1.78	1.59	1.50	1.30	1.16	1.29	1.41	1.47	1.44	1.50
	1987	1.44	1.60	1.60	1.63	1.70	1.68	1.65	1.44	1.56	1.52	1.56	1.62	1.86
	1988	1.56	1.58	1.62	1.70	1.74	2.72	3.38	3.58	3.51	3.48	3.33	3.32	3.32
	1989	3.48	3.11	3.25	3.10	3.09	2.56	2.51	2.64	2.42	2.61	2.72	2.51	2.48
	1990	2.40	2.33	2.32	2.33	2.49	2.28	1.98	1.97	2.10	2.12	2.05	2.23	2.10
Rye (per bu)	1986	1.96	1.65	1.88	1.69	1.77	1.58	1.02	1.00	1.00	0.87	0.99	1.45	1.16
	1987	1.19	1.24	1.44	1.24	1.27	1.16	1.14	0.93	1.08	1.40	1.33	1.19	1.31
	1988	1.37	1.10	1.06	1.00	1.13	1.87	1.68	1.75	1.85	1.89	1.77	1.80	1.77
	1989	1.93	1.95	1.78	1.90	1.79	1.79	1.50	1.51	1.60	1.69	1.74	1.67	1.67
	1990	1.71	1.69	1.75	1.80	1.89	1.83	1.73	1.42	1.50	1.45	1.53	1.62	1.60
Flaxseed (per bu)	1986	4.78	4.96	4.95	4.88	4.89	4.95	4.41	3.74	3.67	3.46	3.39	3.41	3.45
	1987	3.18	3.13	3.07	3.16	3.34	3.45	3.49	3.35	3.14	3.07	3.02	3.19	3.39
	1988	3.45	3.81	3.96	4.10	4.17	5.28	6.26	7.21	7.62	7.79	8.18	8.37	7.54
	1989	8.34	8.70	8.10	7.78	7.55	6.79	6.12	6.32	7.08	7.09	7.15	7.14	7.25
	1990	7.22	7.86	8.03	8.60	8.23	8.31	7.56	5.67	5.33	5.12	5.10	5.08	5.25
Corn (per bu)	1986	2.21	2.20	2.23	2.15	2.17	2.17	1.96	1.47	1.07	1.31	1.31	1.30	1.42
	1987	1.34	1.37	1.35	1.42	1.44	1.60	1.50	1.36	1.46	1.50	1.78	1.61	1.91
	1988	1.67	1.70	1.76	1.81	1.93	2.47	2.77	2.78	2.38	2.39	2.41	2.48	2.40
	1989	2.46	2.49	2.48	2.43	2.39	2.43	2.41	2.14	2.11	2.12	2.15	2.22	2.24
	1990	2.20	2.18	2.22	2.38	2.46	2.36	2.52	2.47	2.25	2.08	2.09	2.10	2.20
Soybeans (per bu)	1986	5.08	4.96	4.98	5.00	4.52	5.00	4.66	4.74	4.27	4.37	4.49	4.53	4.63
	1987	4.39	4.53	4.55	4.66	4.90	5.12	5.13	4.88	4.85	4.92	5.07	5.31	5.27
	1988	5.50	5.66	6.01	6.09	6.46	7.28	7.95	7.88	7.08	6.97	7.24	7.18	6.95
	1989	7.26	7.38	7.31	7.15	6.74	6.78	6.51	5.79	5.35	5.29	5.37	5.33	5.40
	1990	5.28	5.32	5.40	5.69	5.75	5.84	5.75	5.70	5.74	5.57	5.52	5.56	5.55
Sunflower, All (per cwt)	1986	8.82	7.98	7.95	7.10	7.23	7.05	6.27	6.04	6.07	7.33	6.51	6.51	7.10
	1987	6.91	7.07	6.87	7.57	7.67	7.80	7.61	7.12	6.85	6.90	7.00	7.18	8.46
	1988	7.96	8.35	8.40	8.71	9.01	11.10	13.80	13.20	12.70	12.40	12.70	13.10	12.00
	1989	12.80	12.10	11.60	11.60	11.70	9.81	10.50	11.10	11.10	10.10	11.00	11.40	11.00
	1990	10.20	11.10	11.00	11.50	11.90	12.50	12.90	14.60	13.50	11.00	10.50	10.80	11.00
Sunflower, Oil (per cwt)	1986	8.14	7.22	7.30	6.89	7.06	6.89	6.13	5.88	5.82	6.27	6.26	6.08	6.66
	1987	6.13	6.11	6.40	7.21	7.52	7.62	7.40	6.87	6.72	6.48	6.49	6.90	8.25
	1988	7.69	7.96	8.23	8.49	8.86	11.10	12.90	13.00	11.80	11.50	10.80	11.10	11.20
	1989	11.40	11.70	11.30	11.30	11.10	9.59	10.30	10.20	9.86	9.31	9.74	9.58	9.80
	1990	9.59	9.68	10.10	10.50	11.30	11.70	12.20	13.50	11.50	10.00	9.44	9.92	10.10
Sunflower, Non-Oil (per cwt)	1986	13.20	13.50	12.50	11.30	12.80	12.30	10.30	11.00	8.80	9.62	9.53	9.93	9.55
	1987	9.60	9.20	9.51	9.32	9.38	10.00	9.64	8.90	8.92	8.58	9.23	9.37	9.78
	1988	9.45	9.56	9.74	10.10	9.80	10.90	20.10	22.50	15.40	14.00	17.40	18.90	15.60
	1989	18.20	15.20	14.80	15.40	18.90	19.20	24.40	24.10	16.20	13.70	14.50	15.10	14.70
	1990	14.70	15.90	15.20	15.80	16.70	16.40	17.10	14.60	14.30	13.70	13.10	12.80	13.10
Dry Beans (per cwt)	1986	15.30	14.00	12.80	13.30	13.40	13.60	14.20	13.50	15.40	21.30	20.80	19.30	17.60
	1987	17.20	13.90	13.60	14.20	12.70	13.80	14.10	14.20	13.80	12.60	10.80	10.20	12.90
	1988	10.40	11.10	12.20	13.50	14.80	18.50	25.50	21.40	21.80	24.80	25.30	26.60	25.50
	1989	28.10	30.80	33.40	34.10	28.10	26.20	24.90	19.90	22.80	23.00	25.20	25.30	24.80
	1990	29.30	32.30	31.60	30.20	35.70	30.40	39.90	19.90	16.40	15.00	16.40	15.90	15.70

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NORTH DAKOTA PRICES CONT.

For Selected Crops, North Dakota, 1986-90 1/

Commodity	Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Mktg. Yr. Average
								- - - Dollars - - -						
Potatoes	1986	3.50	3.60	3.50	2.85	2.65	2.65	---	---	2.80	3.30	4.00	3.90	4.20
(per cwt)	1987	4.00	4.20	4.65	5.15	5.60	7.25	---	---	2.85	2.95	3.20	3.55	3.50
	1988	3.45	3.95	4.50	3.70	3.15	---	---	---	4.25	4.15	5.80	5.80	6.35
	1989	5.35	6.70	7.75	9.95	10.60	---	---	---	4.00	4.95	6.80	5.80	6.40
	1990	5.80	7.05	7.70	9.25	9.00	---	---	4.20	4.20	4.75	5.05	5.45	6.25
Sugarbeets	1986													39.30
(per ton)	1987													43.90
	1988					YEARLY			ONLY					44.00
	1989													40.20
	1990													NA
All Hay, Baled	1986	54.00	55.00	55.00	55.00	50.00	50.00	43.00	37.00	36.00	34.00	36.00	37.00	37.00
(per ton)	1987	34.00	34.00	34.00	32.00	35.00	41.00	36.00	37.00	37.00	36.00	36.00	34.00	36.50
	1988	34.00	37.00	35.00	36.00	41.00	68.00	70.00	75.00	76.00	75.00	77.00	78.00	78.00
	1989	78.00	78.00	86.00	87.00	87.00	78.00	78.00	71.00	68.00	68.00	67.00	69.00	70.50
	1990	68.00	69.00	72.00	69.00	75.00	69.00	71.00	61.00	60.00	61.00	62.00	60.00	64.00
Alfalfa Hay, Baled	1986	63.00	64.00	63.00	63.00	57.00	57.00	48.00	41.00	41.00	40.00	41.00	42.00	NA
(per ton)	1987	39.00	39.00	38.00	37.00	39.00	46.00	42.00	44.00	41.00	41.00	40.00	39.00	NA
	1988	40.00	42.00	40.00	42.00	48.00	83.00	84.00	91.00	95.00	92.00	91.00	92.00	NA
	1989	92.00	92.00	100.00	101.00	100.00	90.00	90.00	80.00	77.00	77.00	76.00	78.00	80.50
	1990	79.00	80.00	82.00	81.00	87.00	80.00	83.00	73.00	73.00	73.00	74.00	72.00	74.50
Other Hay, Baled	1986	43.00	43.00	44.00	44.00	41.00	41.00	37.00	29.00	26.00	24.00	28.00	29.00	NA
(per ton)	1987	26.00	27.00	27.00	25.00	29.00	33.00	27.00	29.00	30.00	28.00	29.00	28.00	NA
	1988	26.00	29.00	28.00	27.00	33.00	56.00	58.00	62.00	61.00	61.00	59.00	61.00	NA
	1989	61.00	61.00	66.00	67.00	68.00	60.00	60.00	55.00	52.00	52.00	50.00	52.00	54.00
	1990	52.00	52.00	56.00	52.00	58.00	53.00	57.00	48.00	47.00	49.00	48.00	46.00	48.50
Beef Cattle	1986	51.10	53.40	52.40	49.30	49.70	47.90	48.30	52.10	54.40	52.00	52.40	49.60	51.30
(per 100 lbs)	1987	60.80	63.40	63.00	63.70	60.60	54.60	55.30	64.70	68.00	68.30	68.40	67.90	64.10
	1988	74.10	76.00	75.50	71.30	68.60	60.50	61.60	67.80	68.30	70.90	68.70	68.60	71.00
	1989	77.30	76.50	72.50	68.20	64.40	62.80	66.10	72.00	70.40	73.30	70.60	67.60	71.70
	1990	78.30	77.00	76.50	75.10	70.80	69.60	70.50	78.80	75.40	78.90	74.70	75.40	76.00
Steers & Heifers	1986	57.80	57.40	56.00	52.60	52.90	53.10	55.10	58.70	59.50	57.70	60.20	60.90	57.00
(per 100 lbs)	1987	65.10	66.80	65.80	68.20	66.40	65.30	65.20	71.80	74.10	75.40	77.60	75.60	70.00
	1988	79.20	79.80	79.20	76.40	73.80	70.60	72.90	75.60	79.70	83.60	81.40	80.00	78.30
	1989	82.10	80.30	77.60	74.20	72.30	74.10	77.20	81.60	79.80	84.00	82.30	80.60	79.90
	1990	82.60	80.30	80.00	80.90	80.80	79.30	79.40	85.70	85.40	89.30	90.00	89.20	83.80
Cows	1986	33.40	36.10	36.50	34.10	36.60	36.60	37.10	36.40	36.30	35.00	33.50	34.00	35.10
(per 100 lbs)	1987	38.80	41.60	43.50	43.50	43.10	44.50	43.90	43.70	46.50	43.80	43.00	46.60	43.60
	1988	46.50	49.60	49.10	48.20	47.30	42.40	44.30	44.80	45.90	43.50	43.50	44.70	45.60
	1989	45.60	49.50	46.80	46.10	46.70	47.00	47.30	47.60	49.30	45.80	46.30	48.60	47.10
	1990	49.00	52.50	53.20	52.60	52.70	53.90	53.10	53.50	52.10	49.20	46.80	49.30	50.80
Calves	1986	61.70	60.30	61.60	58.40	61.10	57.80	59.70	62.50	63.60	65.10	63.80	65.90	63.50
(per 100 lbs)	1987	69.30	73.00	71.90	75.20	73.90	75.20	77.40	85.30	88.10	85.80	86.70	86.40	81.60
	1988	90.50	90.90	91.90	92.00	89.50	87.90	98.80	100.00	93.20	91.10	88.70	88.10	91.90
	1989	92.80	89.30	87.40	86.20	84.70	89.90	95.80	94.80	94.00	91.80	89.50	89.90	91.00
	1990	92.50	91.30	96.70	97.40	104.00	116.00	106.00	106.00	98.60	95.20	97.50	101.00	96.70
Hogs 2/	1986	41.60	40.40	37.60	38.00	44.60	50.00	56.40	59.60	56.40	51.90	50.60	48.90	47.60
(per 100 lbs)	1987	45.50	46.50	45.80	49.20	51.20	55.10	56.70	55.40	51.20	46.00	37.90	38.00	49.00
	1988	41.90	43.00	39.80	39.40	43.90	43.10	39.10	40.70	36.70	35.20	32.40	37.10	39.40
	1989	38.00	37.50	36.30	34.00	38.30	41.20	41.50	41.50	40.30	43.40	41.60	45.70	39.00
	1990	44.60	46.10	49.00	51.30	59.50	58.60	54.40	52.20	51.00	53.00	47.30	45.10	50.40
Sheep	1986	25.70	22.10	19.20	17.70	20.30	18.70	21.10	21.30	21.40	23.50	27.30	24.60	21.80
(per 100 lbs)	1987	24.30	20.40	21.60	20.90	20.30	22.00	21.00	19.20	24.60	33.50	28.20	25.00	24.80
	1988	29.60	29.00	21.40	19.50	15.50	15.00	15.70	21.30	19.20	23.60	27.80	25.00	21.30
	1989	20.60	33.50	24.30	24.70	14.10	18.30	18.60	16.00	17.30	22.20	24.80	30.70	21.40
	1990	22.60	33.60	20.70	18.30	13.70	15.60	16.10	21.30	20.80	23.40	20.90	27.40	20.80
Lambs	1986	63.90	67.20	62.80	67.00	72.30	73.00	71.60	68.90	64.60	62.40	67.80	76.40	67.80
(per 100 lbs)	1987	79.90	79.70	80.40	79.30	81.70	76.60	75.20	76.10	78.80	80.20	74.60	79.60	78.20
	1988	86.00	83.70	77.00	64.40	68.20	60.40	60.50	58.90	63.70	65.90	66.60	69.50	67.80
	1989	67.30	69.50	71.60	74.10	73.40	69.20	65.30	63.70	65.50	62.10	56.00	61.50	65.30
	1990	53.50	62.70	62.70	57.30	58.40	53.10	53.80	49.50	47.00	47.80	44.60	46.40	51.20
Milk Cows	1986	630	---	---	640	---	---	660	---	---	700	---	---	660
(per head)	1987	700	---	---	770	---	---	800	---	---	850	---	---	780
	1988	850	---	---	890	---	---	790	---	---	835	---	---	840
	1989	850	---	---	865	---	---	875	---	---	860	---	---	865
	1990	930	---	---	1010	---	---	1020	---	---	1050	---	---	1000
Milk, Wholesale	1986	11.20	11.10	11.00	10.90	10.80	10.70	10.80	11.10	11.80	12.10	12.30	12.20	11.30
(per cwt)	1987	11.90	11.60	11.40	11.00	10.80	10.50	10.70	10.90	11.30	11.50	11.40	11.20	11.10
	1988	10.90	10.70	10.50	10.30	10.10	9.80	10.20	10.60	11.50	12.20	12.40	12.40	10.90
	1989	12.10	11.60	11.20	10.90	11.00	11.10	11.30	11.90	12.80	13.70	14.60	15.30	12.20
	1990	14.50	12.50	12.50	12.20	12.40	12.80	13.00	13.20	12.80	11.60	11.30	10.60	12.50

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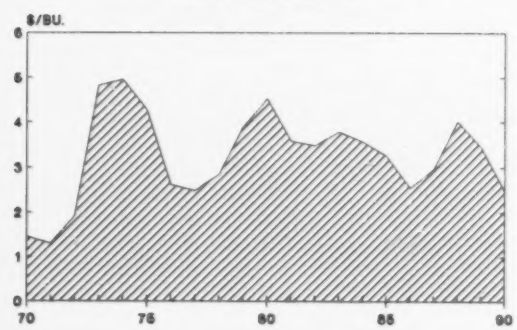
NORTH DAKOTA PRICES

Prices Received by Producers, North Dakota, Crops of 1986-90 1/

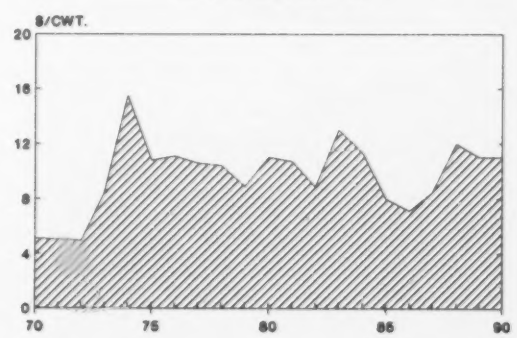
Crop	Crop Year	Northwest	North Central	Northeast	West Central	Central	East Central	Southwest	South Central	Southeast	Mktg. Yr. Average
						- - - Dollars per Bushel - - -					
All Wheat	1986	2.35	2.66	2.57	2.62	2.57	2.58	2.76	2.63	2.74	2.54
	1987	3.10	2.94	2.87	2.85	3.32	2.89	2.86	2.92	2.85	2.95
	1988	4.02	4.12	4.02	4.08	4.06	3.89	3.92	4.04	3.93	4.02
	1989	3.29	3.31	3.51	3.43	3.50	3.61	3.39	3.41	3.60	3.45
	1990 2/	2.36	2.41	2.46	2.34	2.39	2.51	2.41	2.57	2.55	2.47
Durum Wheat	1986	2.68	2.82	2.73	2.92	2.53	3.02	3.01	3.09	2.98	2.66
	1987	3.38	3.18	3.27	3.10	3.72	3.59	3.27	3.17	3.40	3.38
	1988	4.52	4.36	4.75	4.35	4.69	4.46	4.39	5.35	4.36	4.60
	1989	3.23	3.32	3.39	3.49	3.38	3.45	3.25	3.35	3.46	3.32
	1990 2/	2.45	2.50	2.63	2.37	2.54	2.74	2.50	2.64	2.54	2.55
Spring Wheat Other than Durum	1986	2.00	2.45	2.48	2.47	2.61	2.56	2.72	2.61	2.78	2.52
	1987	2.66	2.53	2.67	2.62	2.98	2.83	2.79	2.91	2.79	2.80
	1988	3.59	3.77	3.81	3.86	3.79	3.87	3.89	3.84	3.89	3.78
	1989	3.34	3.29	3.56	3.40	3.54	3.63	3.40	3.42	3.62	3.50
	1990 2/	2.29	2.24	2.43	2.33	2.34	2.49	2.41	2.57	2.56	2.45
Oats	1986	1.25	1.23	1.17	1.28	1.21	1.16	1.35	1.25	1.21	1.20
	1987	1.64	1.59	1.55	1.49	1.53	1.64	1.56	1.65	1.60	1.57
	1988	2.25	2.02	2.22	2.28	2.10	2.36	2.42	2.79	2.22	2.34
	1989	1.19	1.17	1.15	1.19	1.29	1.23	.98	1.23	1.26	1.20
	1990 2/	.90	.88	.90	.98	.89	.97	1.00	1.04	.97	.93
Malting Barley	1986	1.51	1.57	1.44	1.40	1.39	1.54	2.00	---	1.63	1.50
	1987	1.50	1.71	1.96	2.60	1.90	2.03	2.13	---	1.74	1.86
	1988	2.95	2.77	3.29	3.13	2.84	3.80	2.75	2.53	3.14	3.32
	1989	2.25	2.27	2.53	---	2.16	2.78	---	---	2.47	2.48
	1990 2/	1.72	1.80	1.89	---	1.73	2.60	1.94	1.74	1.86	2.10
Feed Barley	1986	1.28	1.28	1.22	1.37	1.28	1.35	1.46	1.42	1.34	1.25
	1987	1.32	1.34	1.42	1.33	1.44	1.60	1.42	1.52	1.57	1.45
	1988	2.14	2.17	2.20	2.23	2.06	2.08	2.33	2.10	2.24	2.16
	1989	1.99	1.94	1.79	1.73	1.76	1.75	1.86	1.89	1.77	1.82
	1990 2/	1.74	1.70	1.64	1.69	1.71	1.70	1.73	1.77	1.69	1.70
All Barley	1986	1.42	1.51	1.30	1.37	1.32	1.46	1.46	1.42	1.58	1.37
	1987	1.37	1.61	1.79	1.78	1.68	1.94	1.42	1.52	1.71	1.70
	1988	2.77	2.55	3.07	2.60	2.44	3.61	2.33	2.10	2.51	2.97
	1989	2.16	2.09	2.31	1.73	1.82	2.53	1.86	1.89	1.93	2.15
	1990 2/	1.73	1.77	1.75	1.69	1.72	2.45	1.77	1.77	1.73	1.85
Flaxseed	1986	3.36	3.45	3.44	3.43	3.52	3.69	2.83	3.46	3.51	3.45
	1987	3.36	3.42	3.38	3.31	3.52	3.65	3.31	3.19	3.46	3.39
	1988	7.82	7.55	7.20	7.64	7.95	7.90	8.07	7.91	7.92	7.54
	1989	7.47	7.29	7.07	6.90	7.62	4.74	6.66	7.19	7.28	7.25
	1990 2/	5.39	5.30	5.18	6.00	5.37	5.83	---	5.75	5.73	5.25
						- - - Dollars per Hundredweight - - -					
All Sunflower	1986	6.28	6.73	8.55	6.69	6.93	8.67	7.05	6.70	8.09	7.10
	1987	7.36	7.45	9.22	7.38	8.17	9.12	7.42	6.95	9.32	8.46
	1988	10.84	11.05	14.12	11.13	11.46	14.37	10.65	10.11	13.47	12.00
	1989	9.80	10.13	12.49	9.35	10.22	13.78	9.13	10.23	11.40	11.00
	1990 2/	9.49	9.50	12.65	9.89	9.96	13.33	9.30	9.60	11.35	11.00

1/ Crops prices are open market prices and do not make an allowance for unredeemed loans. 2/ Preliminary, based on prices thru February 1991.

ALL WHEAT
MARKETING YEAR AVERAGE PRICE
NORTH DAKOTA, 1970 - 90



ALL SUNFLOWER
MARKETING YEAR AVERAGE PRICE
NORTH DAKOTA, 1970 - 90



- NOTES -

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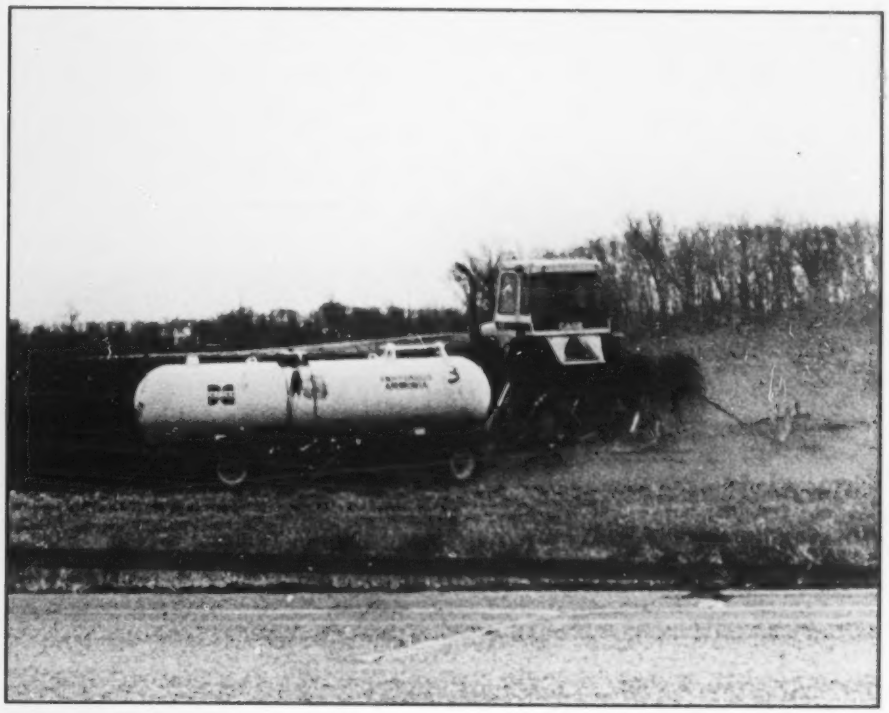


FERTILIZER
EXPORTS
CUSTOM RATES
STATE STATISTICAL OFFICES
ORDER FORMS

FERTILIZER & EXPORTS

Consumption of Fertilizer and Plant Nutrients, North Dakota, 1985-90

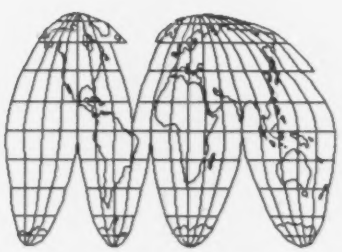
Year Ended June 30	Gross Tonages				Nutrient Content			
	Mixed Fertilizer	Primary Nutrient Material	Secondary & Micro-Nutrients	Total	N	Available P_2O_5	K_2O	Total
	--- Tons ---							
1985	298,760	378,253	1,577	678,590	268,598	125,798	24,707	419,103
1986	318,582	440,851	1,841	761,274	311,023	138,995	23,181	473,199
1987	328,263	447,948	990	777,201	318,176	139,035	26,750	483,961
1988	326,857	405,633	4,120	736,610	283,725	138,960	29,892	452,577
1989	330,500	290,819	3,756	625,075	211,050	139,982	26,198	377,230
1990	340,541	385,269	3,546	729,355	278,086	147,616	26,842	452,543

Source: Tennessee Valley Authority.

Fertilizer Use on Wheat Acreage Harvested, North Dakota, 1985-90

Year	Acres for Harvest	Fields in Survey	Acres Receiving				Application Rates			Proportion Fertilized 1/		
			Any Fertilizer	N	P_2O_5	K_2O	N	P_2O_5	K_2O	At or Before Seeding	After Seeding	Both
	(000)	(No.)	--- Percent ---				--- Pounds ---			--- Percent ---		
ALL WHEAT												
1985	8,870	234	72.0	72.0	64.0	9.0	38.0	29.0	18.0	99.0	0.0	0.0
1986	9,380	250	81.0	81.0	70.0	7.0	44.0	27.0	14.0	98.0	1.0	1.0
1987	8,950	240	80.0	80.0	70.0	11.0	51.0	28.0	17.0	98.0	0.0	1.0
1988	7,100	240	75.0	75.0	67.0	9.0	47.0	29.0	16.0	97.0	0.0	2.0
1989	10,700	249	73.0	73.0	61.0	9.0	41.0	28.0	19.0	98.0	1.0	2.0
1990	11,100	237	67.0	66.0	60.0	16.0	42.0	30.0	12.0	99.0	1.0	0.0
DURUM WHEAT												
1987	2,850	131	70.0	70.0	56.0	6.0	46.0	28.0	13.0	97.0	1.0	2.0
1988	2,500	125	66.0	66.0	55.0	3.0	39.0	27.0	*	98.0	1.0	1.0
1989	3,000	134	70.0	70.0	60.0	3.0	33.0	26.0	*	98.0	2.0	0.0
1990	3,100	130	61.0	59.0	57.0	7.0	35.0	25.0	8.0	100.0	0.0	0.0
OTHER SPRING WHEAT												
1987	6,100	109	84.0	84.0	76.0	14.0	53.0	29.0	17.0	98.0	0.0	2.0
1988	4,600	105	79.0	79.0	73.0	12.0	50.0	30.0	17.0	99.0	0.0	1.0
1989	7,700	115	74.0	74.0	62.0	11.0	44.0	29.0	20.0	98.0	1.0	2.0
1990	8,000	107	69.0	69.0	62.0	20.0	44.0	31.0	12.0	99.0	1.0	0.0

1/ Percentages apply to acres receiving fertilizer. * Insufficient Data. Source: Agricultural Resources, Input Situation & Outlook, February 1991.



Value of Export Shares of Agricultural Commodities, North Dakota, 1988-90 1/

Commodity or Group	1988		1989		1990	
	Dollars	% of U.S.	Dollars	% of U.S.	Dollars	% of U.S.
	(Mil.)	(Pct.)	(Mil.)	(Pct.)	(Mil.)	(Pct.)
Wheat & Products	539.5	11.5	435.8	6.9	316.6	7.1
Feed Grains & Products	62.6	1.0	85.5	1.0	111.2	1.2
Sunflower Seed & Oil	184.5	79.6	109.0	70.2	97.7	70.2
Soybeans & Products	60.2	.9	46.7	.8	38.0	.7
Vegetables & Preparations	31.7	2.5	31.8	2.1	27.9	1.3
Dairy Products	3.8	.7	3.0	.6	2.3	.7
Animals & Meats excluding Poultry	7.3	.3	13.8	.5	14.9	.5
Hides & Skins	4.0	.2	8.1	.5	11.0	.6
Fats, Oils & Greases	1.3	.2	2.6	.5	2.9	.5
Feeds & Fodder	40.4	4.6	49.0	4.6	30.0	2.9
Seeds	12.4	3.0	15.0	3.0	17.3	3.0
Other	27.1	1.4	32.1	1.3	34.0	1.1
TOTAL	974.8	2.8	832.4	2.1	703.7	1.8

Source: Foreign Agricultural Trade of U.S. - E.R.S. 1/ State export shares are based upon North Dakota's portion of U.S. production or farm sales of individual commodities. Refining this procedure includes using sales data from the census of agriculture, Customs District shipments, feed-livestock balances, Agricultural Marketing Service reports, and commodity market information.

CUSTOM FARM WORK RATES

State-Wide Averages, North Dakota, 1989, with Comparisons

Operation	Average Rate		1989 Rates	
	1984	1986	Most Frequent Reported	Average
	- - - Dollars/Acre - - -			
LAND TILLAGE				
DEEP TILLAGE				
Plowing (Moldboard)	6.18	6.25	5.00	6.19
Alfalfa Sod Breaking	7.60	7.82	8.00	7.89
Heavy Disking	5.10	5.21	4.00	4.96
Deep Chisel	5.03	4.96	4.00	4.68
SHALLOW TILLAGE				
Field Cultivation (Duckfoot)	3.81	3.63	4.00	3.70
One-Way Disk	4.15	4.01	3.00	4.22
Tandem Disk	4.15	4.24	5.00	4.32
Multiple Hitch Cultivation	3.95	4.27	3.00	4.03
Rotary Hoe	2.98	3.15	3.00	3.44
Harrowing	2.45	2.29	2.00	2.61
Row Crop Cultivation				
Wide-Row (>31 in.)	3.53	3.61	3.00	3.64
Narrow-Row (<31 in.)	3.72	3.56	4.00	3.75
SMALL GRAIN SEEDING				
REGULAR DRILLING				
With Fertilizer Application	4.54	4.78	5.00	4.76
Without Fertilizer Application	4.40	4.44	5.00	4.53
PONY PRESS DRILL				
With Fertilizer Application	7.10	7.89	8.00	7.78
Without Fertilizer Application	7.07	7.69	6.00	7.09
ROW CROP PLANTING				
With Fertilizer Application				
Corn	4.89	5.05	5.00	5.39
Soybeans	4.78	5.22	5.00	5.98
Dry Edible Beans	5.31	5.08	5.00	6.12
Sunflower	5.08	5.25	5.00	5.14
FERTILIZER APPLICATION				
Dry Fertilizer - Broadcast	2.44	2.29	2.50	2.42
Liquid Fertilizer	3.23	3.10	3.00	3.18
Anhydrous Ammonia - Chisel	4.95	4.90	5.00	4.92
CHEMICAL APPLICATION				
BY SURFACE VEHICLES				
Herbicides	2.19	2.02	2.00	2.21
Insecticides	2.23	2.27	2.00	2.37
Fungicides	2.44	2.50	3.00	2.61
Desiccants	2.34	2.47	3.00	2.69
BY AIRCRAFT				—
Herbicides	3.04	2.96	3.00	3.16
Insecticides	3.14	3.03	3.00	3.23
Fungicides	3.23	3.17	3.50	3.30
Desiccants	3.24	3.20	3.00	3.22
HARVESTING CROPS				
SWATHING				
Self-Propelled	3.73	3.67	4.00	3.94
PTO Unit	3.36	3.39	3.00	3.68
COMBINING FROM SWATHS				
Wheat, All	12.59	11.64	12.00	11.85
Barley	12.62	11.61	12.00	11.79
Flaxseed	12.56	11.78	12.00	12.06
Soybeans	14.17	13.41	15.00	13.79
Dry Edible Beans	15.04	14.65	15.00	16.27
COMBINING, STRAIGHT				
Wheat, All	12.57	11.71	12.00	11.80
Corn	14.83	14.46	15.00	14.05
Sunflower	13.26	12.54	12.00	12.40
Soybeans	14.68	14.08	15.00	14.20
DRY BEAN HARVESTING				
Cutting Only	7.37	7.88	7.00	7.49
Windrowing	4.77	4.32	4.00	4.49
Cutting & Windrowing	13.00	12.06	10.00	12.03

Operation	Average Rate		1989 Rates	
	1984	1986	Most Frequent Reported	Average
	- - - Dollars/Acre - - -			
HAYING				
Mowing	3.28	3.49	3.00	4.26
Mowing & Conditioning	5.10	5.28	5.00	5.55
Swathing	4.26	4.11	3.00	4.21
Side Delivery Raking	2.04	2.28	2.00	2.36
BALING	- - - Dollars/Bale - - -			
Square bales with twine	.34	.34	.25	.34
Round bales 800-999 lbs.	4.49	4.24	5.00	4.36
Round basles 1000-1500 lbs.	5.06	4.91	5.00	5.03
Round bales over 1500 lbs.	5.54	5.40	5.00	5.58
MECHANIZED LOOSE HAY STACKING	- - - Dollars/Stack - - -			
1.5-3 Ton Stack	18.32	18.14	15.00	16.60
3-6 Ton Stack	25.50	24.92	25.00	25.33
More than 6 Ton Stack	26.32	28.32	20.00	27.52
MAKING CORN SILAGE	- - - Dollars/Unit - - -			
FIELD CHOPPING ONLY				
Per Acre	16.41	16.06	20.00	16.83
Per Hour	43.50	44.83	20.00	38.21
FIELD CHOPPING PLUS HAULING				
Per Acre	21.22	19.54	20.00	20.02
Per Hour	44.57	46.27	50.00	50.51
DRYING GRAIN	- - - Dollars/Bu. - - -			
Wheat, All	.151	.132	.100	.119
Barley	.153	.129	.100	.120
Corn	.176	.164	.100	.126
Flax	.172	.153	.100	.124
Sunflower (per cwt.)	.309	.204	.100	.200
HAULING CHARGES				
HAULING GRAIN				
Wheat, All	.095	.096	.100	.092
Barley	.091	.093	.100	.089
Flax	.096	.088	.100	.094
Corn	.091	.086	.100	.085
Sunflower (per cwt.)	.165	.168	.100	.202
HAULING HAY	- - - Dollars/Bale - - -			
Small Square Bales	.166	.156	.100	.144
Large Round Bales				
800-999 lbs.	2.38	1.91	.50	1.35
1000-1500 lbs.	2.72	2.51	1.00	1.41
MOVING LOOSE HAYSTACKS	- - - Dollars/Stack - - -			
1.5-3 Ton	11.18	10.08	4.00	7.90
3-6 Ton	11.97	9.77	5.00	8.74
More than 6 Ton	12.44	12.79	10.00	12.87
CLEANING & TREATING	- - - Dollars/Bushel - - -			
SEED GRAIN				
Cleaning Only	.275	.277	.250	.291
Treating Only	.404	.393	.500	.437
Cleaning & Treating	.678	.643	.500	.718
MISCELLANEOUS	- - - Dollars/Acre - - -			
CUSTOM FARMING				
Small Grains	NA	34.44	30.00	32.02
Row Crops	NA	42.09	40.00	40.11
BRANDING CALVES	1.13	1.20	1.00	1.19
SHEARING SHEEP	1.39	1.53	1.50	1.51
DIGGING POST HOLES	1.65	1.96	1.00	1.71
Average Depth (feet)	3.00	3.50	4.00	3.49
FEED GRINDING & MIXING				
Mobile Truck - On-Farm	23.68	23.57	15.00	21.40
PTO Unit - On-Farm	16.08	15.37	10.00	19.63
Farm Drainage/Ditching	56.80	54.48	50.00	50.34
Land Leveling	55.21	51.17	50.00	48.03
Rock Picking	35.69	35.34	50.00	37.55

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WHERE TO FIND HISTORIC ESTIMATES

The reference table below shows where to find historic estimates. County estimates for most major crops were begun in 1919 and for livestock in 1925 although there are exceptions to both as indicated in the table. Separate estimates of the production of corn for grain were begun in 1957. Estimates of commercial grain storage capacity were not made in 1959, nor in 1961-64 and were discontinued after 1986.

Estimates for all livestock are on a January 1 inventory number basis until 1968 for hogs and 1970 for chickens when the reference date was changed to December 1.

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CROPS									
Wheat, All	1919-54	1955-70		1971-75		1976-79	1980-83	1984-88	1989-90
Winter 1/		1964-70		1971-75		1976-79	1980-83	1984-88	1989-90
Durum	1929-54	1955-70		1971-75		1976-79	1980-83	1984-88	1989-90
Other Spring	1929-54	1955-70		1971-75		1976-79	1980-83	1984-88	1989-90
Oats	*1919-54		1955-70	1971-75		1976-79	1980-83	1984-88	1989-90
Barley	*1919-54		1955-70	1971-75		1976-79	1980-83	1984-88	1989-90
Rye	*1919-54		1955-70	1971-75		1976-78	1979-83	1984-88	1989-90
Flaxseed	*1919-54				1955-75	1976-79	1980-83	1984-88	1989-90
Corn	*1919-54		1955-69	1970-75		1976-79	1980-83	1984-88	1989-90
Soybeans 2/					1954-75	1976-79	1980-83	1984-88	1989-90
Potatoes	*1919-54				1955-75	1976-79	1980-83	1984-88	1989-90
Sugarbeets					1958-75	1976-79	1980-83	1984-88	1989-90
Sunflower					1969-75	1976-79	1980-83	1984-88	1989-90
Dry Edible Beans						1977-79	1980-83	1984-88	1989-90
Dry Field Peas					1959-69	ESTIMATES DISCONTINUED			
Hay, By Kind	*1919-54				1955-75	1976-78	1979-83	1984-88	1989-90
Summer Fallow					1949-75	1976-79	1980-83	1984-88	1989-90
Grain Storage					1958-75	1976-79	1980-85		
LIVESTOCK									
	No. 7	No. 17	No. 30						
Cattle, All	1925-60	1961-66	1967-71	1972-76		1977-79	1980-84	1985-89	1990-91
Milk Cows	1925-60	1961-66	1967-71	1972-76		1977-79	1980-84	1985-89	1990-91
Hogs, All	1925-60	1961-66	1967-70	1971-75		1976-78	1979-83	1984-88	1989-90
Sheep, All	1925-40			1971-76		1977-79	1980-84	1985-89	1990-91
Stock Sheep	1941-60	1961-66	1967-71	1972-75		COUNTY ESTIMATES DISCONTINUED			
Chickens, All	1951-60	1961-66	1967-70	1971-73		COUNTY ESTIMATES DISCONTINUED			
Horses, All	1925-49	ESTIMATES DISCONTINUED							
OTHER									
	No number	No. 14	No. 24	No. 39	No. 55	No. 56			
Crop Weather		1950-65		1965-75	1976-85				
Price Trends	1910-57		1950-59			1960-86			

* Bulletin No. 2 for flaxseed; No. 5 for oats, barley and rye; No. 9 for corn, potatoes and hay. 1/ Included in other spring wheat prior to 1964. 2/ Bulletin No. 3 for 1924-53 state estimates.